Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	combin$4 same sigle same magnification	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 14:54
L2	3	combin$4 same (single near1 magnification) same slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 14:59
L3	3	(combin$4 stitch$4 overlap$4) same (single near1 magnification) same slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:00
L4	155	(combin$4 stitch$4 overlap$4) same (magnification) same slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:02
L5	1	4 and "tsa1"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:00
L6	50	4 and patholog$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:28
L7	144	tesselation	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:27
L8	1	7 and ((combin$4 stitch$5) near4 pictur$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:27
L9	3	7 and patholog$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:29
L10	5	Tesselation near2 algorithm	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/29 15:30
S1	2771	diagnos$4 near4 module	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 09:49
S2	79	(pathol$5 histopatho$5) and S1	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:41
S3	20	(pathol$5 histopatho$5)same S1	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 09:51
S4	1	("6684092").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/08/24 12:22
S5	1	S4 and software	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:25

S6	1	S4 and program$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:34
S7	0	S4 and crieteria	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:34
S8	0	S4 and criteria	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:34
S9	0	S4 and predetermin$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:39
S10	1	S4 and histo$7	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:50
S11	1	S4 and (analy$5 examin$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 11:52
S12	1	S4 and (analy$5 examin$6)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:07
S13	1	S4 and similar$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:10
S14	1	"09/935135"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:10
S15	1	S14 and cases	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:37
S16	1	S4 and cases	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:23
S17	0	S4 and database	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:23
S18	1	S4 and data	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:23
S19	1	S4 and diagn$7	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:37
S20	61	S2 and database	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:42
S21	56	S20 and similar$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 12:42

S22	4	S20 and (similar$4 near3 cases)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 13:03
S23	2	"09/919275"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 13:04
S24	2	S23 and similar$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:03
S25	2	S23 and diagn$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:07
S26	1	S23 and (diagn$5 near3 module)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:08
S27	0	S23 and ((diagn$5 near3 module) near4 imag$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:08
S28	0	S23 and ((diagn$5 near3 module) near7 imag$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:08
S29	0	S23 and ((diagn$5 near3 module) with imag$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:09
S30	1	S23 and ((diagn$5 near3 module) same imag$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:24
S31	2	S23 and program$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:27
S32	2	S23 and engine	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:49
S33	1	S4 and microscop$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 14:59
S34	1	S23 and microscop$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:00
S35	1	S14 and microscop$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:04
S36	727	microscop$4 with (digital near2 camera)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:25
S37	1	S2 and S36	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:04

S38	1169	(382/128).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/08/24 15:06
S39	32	S36 and S38	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:06
S40	69	microscop$4 with coupl$3 with (digital near2 camera)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 15:25
S41	17	S40 same slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:21
S42	5507	(camera ccd) near5 microscope$2	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:22
S43	281	S42 with slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:22
S44	22	S43 with specimen	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:57
S45	2	(("5297034") or ("6684092")).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/08/24 16:58
S46	0	S45 and (combin$4 near5 imag$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:58
S47	2	S45 and (focus$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:59
S48	2	S45 and (magnif$7)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 16:59
S49	48851	pathol$5 histopatho$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/24 09:49
S50	199	histopatho$5 same imag$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:38
S51	78	(histopatho$5 same imag$4) same anal$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:39
S52	23	((histopatho$5 same imag$4) same anal$5) same diagn$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:39

S53	5308	histopatho$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:56
S54	2704	(pathol$5 histopatho$5) near5 diagnos$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:46
S55	137	((pathol$5 histopatho$5) near5 diagnos$4) same slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:46
S56	56	(((pathol$5 histopatho$5) near5 diagnos$4) same slide) same microscop$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:47
S57	292	histopatho$5 near2 anal$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 15:57
S58	18	(histopatho$5 near2 anal$5) same imag$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:37
S59	0	((("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.) and (imag$4 same tissue same anal$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:38
S60	2	((("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.) and (imag$4 same tissue)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:39
S61	8	((("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.) and pathol$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:40
S62	2	(((("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.) and (imag$4 same tissue)) and (imag$4 same tissue)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:39
S63	2	(((("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.) and (imag$4 same tissue)) and pathol$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:40

S64	8	(("4,965,725") or ("5,218,645") or ("5,287,272") or ("5.297,034") or ("5,544,650") or ("5,740,270") or ("5,889,881") or ("5,939,278") or ("6,026,174")).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/08/23 16:45
S65	62042	patholog$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:45
S66	42637	digital adj2 imag$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:45
S67	787	(digital adj2 imag$4) same tissue	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:46
S68	278	patholog$4 and ((digital adj2 imag$4) same tissue)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:46
S69	231	(patholog$4 and ((digital adj2 imag$4) same tissue)) and diagnos$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:46
S70	166	((patholog$4 and ((digital adj2 imag$4) same tissue)) and diagnos$4) and microscop$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:47
S71	95	(((patholog$4 and ((digital adj2 imag$4) same tissue)) and diagnos$4) and microscop$4) and camera	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:47
S72	14	(((((patholog$4 and ((digital adj2 imag$4) same tissue)) and diagnos$4) and microscop$4) and camera) and slide) and server	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:58
S73	68	((((patholog$4 and ((digital adj2 imag$4) same tissue)) and diagnos$4) and microscop$4) and camera) and slide	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/08/23 16:57

```
? show files; ds; save temp; logoff hold
File   5:Biosis Previews(R) 1969-2005/Sep W2
         (c) 2005 BIOSIS
File  73:EMBASE 1974-2005/Sep 19
         (c) 2005 Elsevier Science B.V.
File 155:MEDLINE(R) 1951-2005/Sep 19
         (c) format only 2005 Dialog
File 172:EMBASE Alert 2005/Sep 19
         (c) 2005 Elsevier Science B.V.
File 188:Health Devices Sourcebook 2004
         ECRI (A nonprofit agency)
File 198:Health Devices Alerts(R) 1977-2005/Sep W1
         (c) 2005 ECRI-nonprft agncy

Set     Items   Description
S1     899748   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
             EO OR PHOTOGRAPH??)
S2    4279597   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3     193662   S1(7N)(DIAGNO? OR ANALY?)
S4       2670   TISSUE(3N)SPECIMEN
S5        260   SPECIMEN(3N)SLIDE?
S6    1270511   MICROSCOP?
S7        107   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8      90119   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
             INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
             MODIF?  OR CHANG?)
S9       8331   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
             OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10      3844   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
             NFORTI, I? OR KONFORTI I?)
S11       489   S10 AND S2
S12         6   S11 AND S3
S13         6   RD (unique items)
S14     10311   S2(S)S3
S15        11   S14(S)S4
S16         6   RD (unique items)
S17         5   S16 NOT PY>2000
S18         5   S17 NOT S13
S19         0   S14(S)S5
S20         0   S14(S)S7
S21       140   S14(S)S8
S22        10   S21(S)S6
S23         6   RD (unique items)
S24         4   S23 NOT PY>2000
S25         4   S24 NOT (S18 OR S13)
S26         0   S14(S)S9
```

13/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0008687571 BIOSIS NO.: 199345118559
Three-dimensional sonographic reconstruction: Techniques and diagnostic applications
AUTHOR: Rankin Richard N (Reprint); Fenster Aaron; Downey Donal B; Munk Peter L; **Levin Morris F** ; Vellet Alexander D
AUTHOR ADDRESS: Dep. Diagnostic Radiol., P.O. Box 5339, Univ. Hosp., 339 Windermere Road, London, ON, Canada N6A 5A5, canada**canada
JOURNAL: AJR (American Journal of Roentgenology) 161 (4): p695-702 1993
ISSN: 0361-803X
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

...AUTHOR: **Levin Morris F**
DESCRIPTORS:
...MAJOR CONCEPTS: **Pathology** ;
MISCELLANEOUS TERMS: ... **IMAGE ANALYSIS** ;

13/3,K/2 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

07925001 EMBASE No: 1999398352
The diagnostic accuracy of ex vivo MRI for human atherosclerotic plaque characterization
Shinnar M.; Fallon J.T.; Wehrli S.; **Levin M.** ; Dalmacy D.; Fayad Z.A.; Badimon J.J.; Harrington M.; Harrington E.; Fuster V.
Dr. M. Shinnar, Box 1030, Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029 United States
Arteriosclerosis, Thrombosis, and Vascular Biology (ARTERIOSCLER. THROMB. VASC. BIOL.) (United States) 1999, 19/11 (2756-2761)
CODEN: ATVBF ISSN: 1079-5642
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 22

Shinnar M.; Fallon J.T.; Wehrli S.; **Levin M.** ; Dalmacy D.; Fayad Z.A.; Badimon J.J.; Harrington M.; Harrington E.; Fuster V.

...accuracy of this method. Twenty-two human carotid endarterectomy specimens underwent ex vivo MRI and **histopathological** examination. Sixty-six cross sections were matched between MRI and **histopathology** . In each cross section, the presence or absence of plaque components were prospectively identified on...
MEDICAL DESCRIPTORS:
diagnostic accuracy; carotid endarterectomy; calcification; thrombus; algorithm; carotid artery; atherosclerosis-- **diagnosis** --di; **image** processing; **image analysis** ; human; human tissue; article; priority journal

13/3,K/3 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

17893423 PMID: 15835360

Design and implementation of dynamic near-infrared optical tomographic imaging instrumentation for simultaneous dual-breast measurements.

Schmitz Christoph H; Klemer David P; Hardin Rosemarie; Katz Michael S; Pei Yaling; Graber Harry L; **Levin Mikhail B** ; Levina Rita D; Franco Nelson A; Solomon William B; Barbour Randall L

NIRx Technologies, LLC, New York 11545, USA. christoph.schmitz@downstate.edu

Applied optics (United States) Apr 10 2005, 44 (11) p2140-53, ISSN 0003-6935 Journal Code: 0247660

Contract/Grant No.: 1R43CA91725-1A1; CA; NCI; R21-DK63692; DK; NIDDK; R21-HL67387; HL; NHLBI; R41-CA96102; CA; NCI

Publishing Model Print

Document type: Clinical Trial; Journal Article; Validation Studies

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

...Christoph H; Klemer David P; Hardin Rosemarie; Katz Michael S; Pei Yaling; Graber Harry L; **Levin Mikhail B** ; Levina Rita D; Franco Nelson A; Solomon William B; Barbour Randall L

Descriptors: *Algorithms; *Breast-- **pathology** --PA; *Breast Neoplasms-- **pathology** --PA; *Image Enhancement--instrumentation--IS; *Image Interpretation, Computer-Assisted--instrumentation--IS; *Spectroscopy, Near-Infrared--instrumentation...

; Equipment Design; Equipment Failure **Analysis** ; Humans; **Image** Enhancement--methods--MT; **Image** Interpretation, Computer-Assisted --methods--MT; Imaging, Three-Dimensional--instrumentation--IS; Imaging, Three-Dimensional--methods--MT...

13/3,K/4 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

13332686 PMID: 10195922

A bioluminescence method for the mapping of local ATP concentrations within the arterial wall, with potential to assess the in vivo situation.

Levin M ; Bjornheden T; Evaldsson M; Walenta S; Wiklund O

Wallenberg Laboratory for Cardiovascular Research, Goteborg University, Goteborg, Sweden.

Arteriosclerosis, thrombosis, and vascular biology (UNITED STATES) Apr 1999, 19 (4) p950-8, ISSN 1079-5642 Journal Code: 9505803

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Levin M ; Bjornheden T; Evaldsson M; Walenta S; Wiklund O

; Animals; Anoxia--metabolism--ME; Anoxia-- **pathology** --PA; Arteriosclerosis--metabolism--ME; Arteriosclerosis-- **pathology** --PA; Culture Media--metabolism--ME; Dose-Response Relationship, Drug; Freezing; Glucose--metabolism--ME; Glucose--pharmacology--PD; **Image** Processing, Computer-Assisted; Nitroimidazoles-- **diagnostic** use--DU; Oxygen --metabolism--ME; Oxygen--pharmacology--PD; Rabbits; Swine; Theophylline

--analogs and derivatives--AA...

13/3,K/5 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

10292290 PMID: 8373340
Diagnosis of osteoid osteoma using STIR magnetic resonance imaging.
Kribbs S; Munk P L; Vellet A D; **Levin M F**
Department of Diagnostic Radiology, University Hospital, University of Western Ontario, London, Canada.
Australasian radiology (AUSTRALIA) Aug 1993, 37 (3) p292-6, ISSN 0004-8461 Journal Code: 0047441
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Kribbs S; Munk P L; Vellet A D; **Levin M F**
...bone marrow changes. Increased signal intensity indicating bone marrow oedema was striking on the STIR **images** and facilitated **diagnosis** . In cases of suspected osteoid osteoma which do not demonstrate the classic radiologic features, adding...
...Descriptors: DI; *Femoral Neoplasms--diagnosis--DI; *Magnetic Resonance Imaging--methods--MT; *Osteoma, Osteoid--diagnosis--DI; *Talus-- **pathology** --PA; Adult; Bone Marrow-- **pathology** --PA; Humans; Image Enhancement--methods--MT

13/3,K/6 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

10128822 PMID: 8462039
Intravenous administration of gadolinium in the evaluation of rheumatoid arthritis of the shoulder.
Munk P L; Vellet A D; **Levin M F** ; Bell D A; Harth M M; McCain G A
Department of Diagnostic Radiology and Nuclear Medicine, University Hospital, University of Western Ontario, London.
Canadian Association of Radiologists journal = Journal l'Association canadienne des radiologistes (CANADA) Apr 1993, 44 (2) p99-106, ISSN 0846-5371 Journal Code: 8812910
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Munk P L; Vellet A D; **Levin M F** ; Bell D A; Harth M M; McCain G A
Descriptors: *Arthritis, Rheumatoid-- **diagnosis** --DI; *Gadolinium --administration and dosage--AD; * **Image** Enhancement--methods--MT; *Magnetic Resonance Imaging; *Organometallic Compounds--administration and dosage--AD; *Pentetic Acid--administration...
; Acromioclavicular Joint; Aged; Clavicle-- **pathology** --PA; Gadolinium DTPA ; Humans; Injections, Intravenous; Middle Aged; Synovial Membrane-- **pathology** --PA; Tendon Injuries--diagnosis--DI

18/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0012245834 BIOSIS NO.: 199900505494
Application of laser scanning confocal microscopy in the analysis of particle-induced pulmonary fibrosis
AUTHOR: Antonini James M (Reprint); Charron Tina G; Roberts Jenny R; Lai Jean; Blake Terri L; Rogers Rick A
AUTHOR ADDRESS: Health Effects Laboratory Division, National Institute for Occupational Safety and Health, 1095 Willowdale Road (M/S 2015), Morgantown, WV, 26505, USA**USA
JOURNAL: Toxicological Sciences 51 (1): p126-134 Sept., 1999 1999
MEDIUM: print
ISSN: 1096-6080
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: method to both quickly quantitate and examine fibrotic lung disease without physical disruption of the **tissue specimen** .

18/3,K/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0008339827 BIOSIS NO.: 199294041668
DNA PLOIDY AND CELL CYCLE ANALYSIS OF EAR MALIGNANT MELANOMA BY FLOW AND IMAGE CYTOMETRY
AUTHOR: COHEN C (Reprint); WALKER B F; SOLOMON A R; DEROSE P B
AUTHOR ADDRESS: ANAT PATHOL, EMORY UNIV HOSP, 1364 CLIFTON ROAD NE, ATLANTA, GA 30322, USA**USA
JOURNAL: Analytical and Quantitative Cytology and Histology 14 (2): p81-88 1992
ISSN: 0884-6812
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: 90%) were hypodiploid, for a high frequency. There were no statistically significant correlations between clinical, **pathologic** , prognostic or cell cycle analysis parameters and ploidy, although poor prognostic features tended to be...

18/3,K/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0004668865 BIOSIS NO.: 198579087764
FINE-NEEDLE BIOPSY UNDER ULTRASONIC GUIDANCE WITH REAL-TIME SCANNERS RESULTS AND EXPERIENCES
AUTHOR: GEBEL M (Reprint); LOSGEN H; ATAY Z; BLIESZE H
AUTHOR ADDRESS: MED HOCHSCHULE HANNOVER, ZENTRUM INNERE MED DERMATOL, ABT GASTROENTEROL HEPATOL, KONSTANTY-GUTSCHOW-STR 8, D-3000 HANNOVER 61, FRG **WEST GERMANY
JOURNAL: Electromedica (English Edition) 52 (4): p150-164 1984
ISSN: 0013-4724

DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: This presupposes that the patient is not exposed to any additional risk and that a **tissue specimen** can be reliably extracted from the suspected tumor.

18/3,K/4 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

06802059 EMBASE No: 1997084544
The diagnostic yield and complications of percutaneous needle aspiration biopsy for the intrathoracic lesions
Jang S.H.; Kim C.H.; Koh W.J.; Yoo C.-G.; Kim Y.W.; Han S.K.; Shim Y.
Dr. S.H. Jang, Department of Internal Medicine, Seoul National University, College of Medicine, Seoul South Korea
Tuberculosis and Respiratory Diseases (TUBERC. RESPIR. DIS.) (South Korea) 1996, 43/6 (916-924)
CODEN: KHCHA ISSN: 0378-0066
DOCUMENT TYPE: Journal; Article
LANGUAGE: KOREAN SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 14

...However, diagnostic yield has been increased by accumulation of experience, improvement of needle and the **image** guiding systems. We **analysed** the results of PCNA performed for one year to evaluate the diagnostic yield, the rate...

...needle under fluoroscopic guiding system. Occasionally, 19-20 G Biopsy gun was used for core **tissue specimen** . The **specimen** was requested for microbiologic, cytologic and **histopathologic** examination in the case of obtained core tissue. Diagnostic yields and complication rate of benign...

...benign lesions and in 43 patients with malignant lesions. PCNA and thoracotomy showed the same **pathologic** result in 44.4% (4 patients) of benign lesions and 58.1% (25 patients) of...

18/3,K/5 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

05008204 EMBASE No: 1992148420
DNA ploidy and cell cycle analysis in ear malignant melanoma by flow and image cytometry
Cohen C.; Walker B.F.; Solomon A.R.; DeRose P.B.
Anatomic Pathology, Emory University Hospital, 1364 Clifton Road, N.E.,Atlanta, GA 30322 United States
Analytical and Quantitative Cytology and Histology (ANAL. QUANT. CYTOL. HISTOL.) (United States) 1992, 14/2 (81-88)
CODEN: AQCHE ISSN: 0884-6812
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Sixteen ear malignant melanomas (MM) were studied for ploidy and cell cycle **analysis** by flow and **image** cytometry. The results were compared with clinical (age, sex, stage), histologic (depth of invasion, level...

...tumor and adjacent normal tissue processed separately according to Hedley's technique. These, a 'spiked' **specimen** of normal **tissue** and tumor, and a spleen diploid control were analyzed on a FACScan flow cytometer (Becton...
...A.). Feulgen-stained Cytocentrifuge preparations of nuclear suspensions of normal, MM and diploid spleen were **analyzed** with the CAS 200 **Image Analyzer** (Cell **Analysis** Systems, Inc., Elmhurst, Illinois, U.S.A.) against commercial calibration rat hepatocytes defined as diploid...

...90%) were hypodiploid, for a high frequency. There were no statistically significant correlations between clinical, **pathologic** , prognostic or cell cycle analysis parameters and ploidy, although poor prognostic features tended to be...
?

25/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0007340975 BIOSIS NO.: 199090125454
CERVICAL MYELOGRAPHY WITH IOHEXOL IN HORSES
AUTHOR: FIALHO S A G (Reprint); GRACA D L; SILVA A M D; PELLEGRINE L C D; OLIVEIRA L S S D; LOPES S T D A
AUTHOR ADDRESS: CURSO DE VETERINARIA, UFMS, CAMPUS, 97119, SANTA MARIA-RS
JOURNAL: Arquivo Brasileiro de Medicina Veterinaria e Zootecnia 41 (4): p 289-300 1989
ISSN: 0102-0935
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: PORTUGESE

...ABSTRACT: microscopic examination of the brain and the cervical spinal cord. Radiographies of good to excellent **image** quality were obtained. At autopsy, radiographic **diagnosis** of cervical vertebral instability was confirmed in the animal that had pelvic limb ataxia.

25/3,K/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0006116981 BIOSIS NO.: 198885085872
STRUCTURAL CHANGES IN NUCLEAR CHROMATIN IN RAT PITUITARY AFTER CHRONIC STRESS OF LOW INTENSITY
AUTHOR: KOMITOWSKI D (Reprint); MUTO S; WEISS J; SCHMITT B; TAYLOR G T
AUTHOR ADDRESS: INST EXPERIMENTAL PATHOL, GERMAN CANCER RES CENT, IM NEUENHEIMER FELD 280, D-6900 HEIDELBERG, FRG**WEST GERMANY
JOURNAL: Anatomical Record 220 (2): p125-131 1988
ISSN: 0003-276X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: that chromatin was less tightly packed in the experimental animals. Implications are that chronic, low- **intensity** stress modulates nuclear structural **changes** from a dormant to an active state that portend changes in the peripheral systems influenced...

25/3,K/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

01584487 EMBASE No: 1980204956
Differential diagnosis of Graves' disease and inflammatory orbital pseudotumor: CT findings
ZUR DIFFERENTIALDIAGNOSE ENDOKRINER ORBITOPATHIEN UND ENTZUNDLICHER PSEUDOTUMOREN DER ORBITA. COMPUTERTOMOGRAPHIE-BEFUNDE
Unsoeld R.; Ostertag Ch.; Newton T.H.
Univ. Augenklin., 7800 Freiburg i. Br. Germany
Klinische Monatsblatter fur Augenheilkunde (KLIN. MONATSBL. AUGENHEILKD.) (Germany) 1980, 177/1 (31-47)
CODEN: KMAUA

DOCUMENT TYPE: Journal
LANGUAGE: GERMAN SUMMARY LANGUAGE: ENGLISH

...an inflammatory orbital pseudotumor. Localization of the swelling within a single muscle, 'scleral thickening', enhanced **contrast** , moderate density **changes** of the orbital fat, and an accompanying swelling of the lacrimal gland, are of minor differential **diagnostic** value. CT **pictures** of clinically typical and histologically proven cases of Graves' disease indicate heterogeneity of this group...

...of moderate muscle swelling and infiltration, differentiation is impossible, because CT correlates only on the **microscopic** scale and differentiation in these cases is often difficult even histologically. CT does show the extent and degree of **pathologic** change and indicates the optimal approach for tissue biopsy. Evaluation of both diseases by CT...

25/3,K/4 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

00540953 EMBASE No: 1976096570
Electron microscopic picture of chronic hepatitis (Polish)
Sawaryn T.; Jonek J.; Szymonski K.; et al.
Klin. Chor. Zak., Inst. Chor. Wewn. Sl. AM, Zabrze Poland
Patologia Polska (PATOL. POL.) 1975, 26/1 (29-34)
CODEN: PAPOA
DOCUMENT TYPE: Journal
LANGUAGE: POLISH

...needle was performed in 24 patients with chronic hepatitis, and the liver punctates were examined **histopathologically** and electron **microscopically** . On the basis of clinical symptoms, biochemical studies and **histopathologic picture** , chronic aggressive hepatitis was **diagnosed** in 13 patients, and chronic persistent hepatitis in 10 patients. The electron micrographs were analyzed with regard to the degree and character of the **changes** in these two forms of hepatitis. The **intensity** and character of **changes** were distinctly greater and more severe in chronic aggressive compared with persistent hepatitis. On the other hand, **pathologic** changes in liver cells in the first form were not correlated with the clinical picture...
?

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? show files; ds; save temp; logoff hold
File 348:EUROPEAN PATENTS 1978-2005/Sep W02
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050915,UT=20050908
         (c) 2005 WIPO/Univentio

Set     Items   Description
S1     638220   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
             EO OR PHOTOGRAPH??)
S2      63541   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3      37138   S1(7N)(DIAGNO? OR ANALY?)
S4       2198   TISSUE(3N)SPECIMEN
S5        652   SPECIMEN(3N)SLIDE?
S6     117965   MICROSCOP?
S7        256   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8      61046   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
             INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
             MODIF?  OR CHANG?)
S9        410   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
             OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10        72   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
             NFORTI, I? OR KONFORTI I?)
S11     27220   IC=G06K?
S12       622   S2(S)S3
S13        14   S12(S)S4
S14        19   S12(S)S5
S15        18   S14 NOT S13
S16         3   S15 AND S11
S17         0   S12(S)S7
S18        26   S12(S)S8
S19        18   S18(S)S6
S20         7   S18 AND S11
S21         6   S20 NOT (S16 OR S13)
S22         0   S12(S)S9
S23         4   S10 AND S11
S24         0   S23 AND S2
```

25/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01200939 **Image available**
DISPLAY AND ANALYSIS OF MULTICONTRAST-WEIGHTED MAGNETIC RESONANCE IMAGES
AFFICHAGE ET ANALYSE D'IMAGES DE RESONANCE MAGNETIQUE A PONDERATION PAR CONTRASTE VARIABLE

Patent Applicant/Assignee:
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Patent Applicant/Inventor:
FAYAD Zahi A, 1755 York Ave., Apt. 9G, New York, NY 10128, US, US (Residence), LB (Nationality), (Designated only for: US)
SAMBER Daniel D, 323 East 89th St., Apt. 5C, New York, NY 10128, US, US (Residence), US (Nationality), (Designated only for: US)
ITSKOVICH Vitalii, 154 Avenue P, Apt. B3, Brooklyn, NY 11204, US, US (Residence), US (Nationality), (Designated only for: US)
MANI Venkatesh, 23 Hillside Avenue, 2nd Fl., Rockaway, NJ 07866, US, US (Residence), IN (Nationality), (Designated only for: US)
FALLON John T, 36 Westmere Avenue, Rowayton, CT 06853, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
SAMMONS Barry E (agent), Quarles & Brady LLP, 411 E. Wisconsin Avenue, Milwaukee, WI 53202, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200508257 A2-A3 20050127 (WO 0508257)
Application: WO 2004US21116 20040630 (PCT/WO US04021116)
Priority Application: US 2003486044 20030710
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4813

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description
... 1965; 21:768-780, is used in the preferred embodiment.

[00331 Our implementation of cluster **analysis** exploits two aspects of the **image** pixel data, the image's color variance (cluster compactness in color space) and spatial information...

...3. The number of clusters, their seed points and associated tissue type for the cluster **analysis** algorithm were determined automatically for

each MR **image** through the use of established ranges of color values for each of the tissue types. These ranges were obtained from the color composite MR images of a representative **specimen** . Presence of specific **tissue** components was detennined automatically by matching pixel values within the image of interest to the...

...to automatically initialize the number of clusters and seed points in the K-means cluster **analysis** of all specimens without reference to other **image** data or **histopathology** slices. The acceptable data metric (measure of degree of association between collections of pixels in...

25/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00964500
ROBUST STAIN DETECTION AND QUANTIFICATION FOR HISTOLOGICAL SPECIMENS BASED ON A PHYSICAL MODEL FOR STAIN ABSORPTION
DETECTION ET QUANTIFICATION EFFICACES DE COLORATIONS DESTINEES AUX SPECIMENS HISTOLOGIQUES ET FONDEES SUR UN MODELE PHYSIQUE D'ABSORPTION DE LA LUMIERE PAR LES COLORATIONS
Patent Applicant/Assignee:
TISSUEINFORMATICS INC, 711 Bingham Street, Suite 202, Pittsburgh, PA 15203, US, US (Residence), US (Nationality)
Inventor(s):
RONALD Stone, 207 Vernon Drive, Pittsburg, PA 15228, US,
OTHMAN Abdulkarim, 159 North South Street, Pittsburg, PA 15237, US,
FUHRMAN Michael, 6387 Morrowfield Ave., Pittsburg, PA 15217, US,
Legal Representative:
HEIDELBERG Louis M (et al) (agent), Reedsmith LLP, 1650 Market Street, 2500 One Liberty Place, Philadelphia, PA 19103, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200297716 A1 20021205 (WO 0297716)
Application: WO 2002US17021 20020529 (PCT/WO US0217021)
Priority Application: US 2001294097 20010529
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8219

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description
... in histology.

3 0 This ability to address variability in the preparation of a histopathological **tissue specimen** specifically distinguishes this invention from existing methods of processing tissue **images** for **analysis** . In the presence of such variability, the automated comparison of

16/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00820486 **Image available**

METHOD AND APPARATUS FOR INTERNET, INTRANET, AND LOCAL VIEWING OF VIRTUAL MICROSCOPE SLIDES

PROCEDE ET APPAREIL POUR VISUALISATION INTERNET, INTRANET ET LOCALE DE LAMES DE MICROSCOPE VIRTUELLES

Patent Applicant/Assignee:
BACUS RESEARCH LABORATORIES INC, 410 Eisenhower Lane North, Lombard, IL 60148, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
BACUS James W, 20 Natoma Drive, Oakbrook, IL 60521, US, US (Residence), US (Nationality), (Designated only for: US)
BACUS James V, 4324 Stonewall, Downers Grove, IL 60515, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
SAMPLES Kenneth H (et al) (agent), Fitch, Even, Tabin & Flannery, Suite 1600, 120 South LaSalle Street, Chicago, IL 60603, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200154052 A1 20010726 (WO 0154052)
Application: WO 2001US1782 20010118 (PCT/WO US0101782)
Priority Application: US 2000177550 20000121; US 2000592561 20000612
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 24243

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description
... transmitting locally, over an intranet or via the Internet data structures of an image of **specimen** on a microscope **slide** ; FIG. 1A is representation of a microscope slide which has been arbitrarily assigned to be...

...view of a system embodying the present invention showing a low magnification image of a **specimen** on a microscope **slide** in one window, a high magnification image of a portion of the low magnification image...FIG. 18 is a block diagram of a remote networked system for distributing and accessing **diagnostic images** 3 0 and data, i.e. virtual microscope slides, through a hypertext transport protocol based...

16/3,K/2 **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00772938 **Image available**
AUTOMATED METHOD FOR IMAGE ANALYSIS OF RESIDUAL PROTEIN
PROCEDE AUTOMATISE D'ANALYSE D'IMAGE DE PROTEINE RESIDUELLE
Patent Applicant/Assignee:
CHROMAVISION MEDICAL SYSTEMS INC, 33171 Paseo Cerveza, San Juan Capistrano, CA 92675, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
HAYS Presley, Newport Beach, CA, US, US (Residence), US (Nationality), (Designated only for: US)
PERI Michele, Irvine, CA, US, US (Residence), US (Nationality), (Designated only for: US)
HARRINGTON Douglas, San Clemente, CA, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HARRIS Scott C, Fish & Richardson P.C., Suite 500, 4350 La Jolla Village Drive, La Jolla, CA 92122, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200106446 A1 20010125 (WO 0106446)
Application: WO 2000US18517 20000707 (PCT/WO US0018517)
Priority Application: US 99143181 19990709
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14965

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Claims

Claim
... flow diagrams for processes to locate and identify objects of interest in a stained cellular **specimen** on a **slide** . FIG. 17a is a flow diagram of an overview of the preferred process to locate and identify objects of interest in a stained cellular **specimen** on a **slide** . FIG. 17b is a flow diagram of a procedure for color space conversion.
FIG. 18...

...user interface of the apparatus.
DETAILED DESCRIPTION
Principle

candidate object of interest and a series of **image** processing steps are performed to confirm the **analysis** which was performed at low magnification. A high magnification image is stored for each continued object or interest. These images are then available for retrieval by a **pathologist** or cytotechnologist to review for final diagnostic evaluation. Having stored the location of each object...

...of the candidate objects of interest for a slide may be generated and stored. The **pathologist** or cytotechnologist may view the mosaic or may also directly view the slide at the...centered about a candidate object of interest within a slide which were located during an **analysis** of the low magnification **images** . The region of interest is preferably n columns wide, where n is a power of...

...slides thereon.
Subsequently, the first slide carrier is unloaded into an output feeder after automatic **image** **analysis** and the next carrier is automatically loaded.
Referring to the FIGURES, an apparatus for automated cell **image** **analysis** of cellular specimens is generally indicated by reference numeral 10 as shown in perspective view...

16/3,K/3 **(Item 3 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00449264 **Image available**
METHOD AND APPARATUS FOR CREATING A VIRTUAL MICROSCOPE SLIDE
PROCEDE ET APPAREIL POUR CREER UNE LAME DE MICROSCOPE VIRTUELLE
Patent Applicant/Assignee:
BACUS RESEARCH LABORATORIES INC,
Inventor(s):
BACUS James V,
BACUS James W,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9839728 A1 19980911
Application: WO 98US4011 19980302 (PCT/WO US9804011)
Priority Application: US 97805856 19970303; US 9832514 19980227
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 16700

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description

... multiple users at various times. For instance, a large number of previously scanned and recorded **specimen slides**, such as 300 **specimen slides**, may have their respective micro and macro tiled images put on a server. Medical students...the particular slide. The pathologist may toggle back and forth between the micro and macro **images**, and then dictate or otherwise prepare his **analysis**, findings or **diagnosis** from these stored **images**. This advantageously enables the **pathologist** to perform part of his job in the convenience of his home or office and also enables a laboratory to maintain actual **specimen slides** in a safe and secure location, away from the potential of damage and without the...transmitting locally, over an intranet or via the Internet data structures of an image of **specimen** on a microscope **slide**; FIG. 1A is representation of a microscope slide which has been arbitrarily assigned to be...view of a system embodying the present invention showing a low magnification image of a **specimen** on a microscope **slide** in one window, a high magnification image of a portion of the low magnification image...FIG. 18 is a block diagram of a remote networked system for distributing and accessing **diagnostic images** and data, i.e. virtual microscope slides,

?

21/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00236226
ANALYSIS METHOD AND APPARATUS FOR BIOLOGICAL SPECIMENS
ANALYSEVERFAHREN UND VORRICHTUNG FUR BIOLOGISCHE SPECIMEN
PROCEDE ET APPAREIL D'ANALYSE D'ECHANTILLONS BIOLOGIQUES
PATENT ASSIGNEE:
CELL ANALYSIS SYSTEMS, INC., (865600), 261 Eisenhower Lane South, Lombard, IL 60148, (US), (Proprietor designated states: all)
INVENTOR:
BACUS, James, William, 826 South Lincoln, Hinsdale, IL 60521, (US)
LEGAL REPRESENTATIVE:
Selting, Gunther, Dipl.-Ing. et al (11092), Patentanwalte von Kreisler, Selting, Werner Postfach 10 22 41, 50462 Koln, (DE)
PATENT (CC, No, Kind, Date): EP 245466 A1 871119 (Basic)
EP 245466 A1 900314
EP 245466 B1 940525
EP 245466 B2 030528
WO 87002802 870507
APPLICATION (CC, No, Date): EP 86907142 861104; WO 86US2409 861104
PRIORITY (CC, No, Date): US 794937 851104
DESIGNATED STATES: BE; DE; FR; GB; NL; SE
RELATED DIVISIONAL NUMBER(S) - PN (AN):
EP 571053 (EP 93202508)
INTERNATIONAL PATENT CLASS: **G06K-009/00** ; G01N-021/00; G06F-015/00; G02B-021/26
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200322	1423
CLAIMS B	(German)	200322	1184
CLAIMS B	(French)	200322	1501
SPEC B	(English)	200322	15370
Total word count - document A			0
Total word count - document B			19478
Total word count - documents A + B			19478

INTERNATIONAL PATENT CLASS: **G06K-009/00** ...

...SPECIFICATION analysis, discrimination of cells, histograms, and scattergrams of cells or cell populations.
The use of **image analysis** techniques and equipment for stained specimens by **pathologists** in a conventional **pathology** laboratory involves solving a number of problems which have been overcome by the present invention...

...substantially not only from slide to slide and from batch to batch by the same **pathologist** but also will vary substantially between different **pathologists** and different laboratories. Because the present **image analysis** apparatus measures grey level or optical density and because it is desired to provide a...

...it is important to overcome the problem of different staining factors for different specimens. Also, **image analysis** techniques which use

adjustable microscopes and optical lighting provide different **intensities** of light when used by the **pathologist** . Trained researchers, in research laboratories may be equipped to **adjust** the optical **intensity** to the desired conditions for **image analysis** by **image** pattern techniques but this generally cannot be accomplished with the precision necessary in the usual **pathology** laboratory. Thus, there is a need to overcome the problem of this light intensity and...offices such as pathology offices having persons of varying degrees of skill and knowledge about **image analysis** , the microscope light source 17a may be variously **adjusted** by different operators such that the **background** may have a different light intensity not only from machine to machine but also at...

21/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01201462 **Image available**
PREDICTING HEPATOTOXICITY USING CELL BASED ASSAYS
PREVISION DE L'HEPATOTOXICITE PAR L'ANALYSE CELLULAIRE
Patent Applicant/Assignee:
CYTOKINETICS INC, 280 East Grand Avenue, South San Francisco, CA 94080, US, US (Residence), US (Nationality)
Inventor(s):
MATTHEAKIS Larry C, 20612 Sunrise Drive, Cupertino, CA 95014, US,
TRAUTMAN Jay Kenneth, 1614 Clay Drive, Los Altos, CA 94024, US,
SOLAR Gregg Peter, 52 Hillcrest Court, San Anselmo, CA 94960, US,
FAN Jinhong, 1740 Eisenhower Street, San Mateo, CA 94403, US,
VAISBERG Eugeni, 647 Pegasus Lane, Foster City, CA 94404, US,
ADAMS Cynthia Lynn, 208 Bayview Drive, San Carlos, CA 94070, US,
RAO Aibing, 1944 Garden Drive, Apt. #210, Burlingame, CA 94010, US,
Legal Representative:
WEAVER Jeffrey K (agent), Beyer Weaver & Thomas, LLP, P.O. Box 778, Berkeley, CA 9404-0778, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200508242 A1 20050127 (WO 0508242)
Application: WO 2004US22970 20040715 (PCT/WO US04022970)
Priority Application: US 2003623486 20030718; US 2003719988 20031120
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 16997

International Patent Class: **G06K-009/46** ...
Fulltext Availability:
Claims

Claim
... In one example, a noise reduction technique such as median filtering is employed. Then a **correction** for spatial differences in **intensity** may be employed. In one example, the spatial correction comprises a separate model for each...

...outlier identification techniques.
19
Both manual and automated methods can be used to eliminate bad **images** from **analysis** . [00811 In order for the **images** to provide useful information about individual hepatocytes, the hepatocytes should be well spaced and distinguishable...

...process can be used. The segmentation process typically identifies edges where there is a sudden **change** in **intensity** of the cells in the image and then looks for closed connected edges in order...

...be conducted on confluent or semi-confluent cultures
100851 In one approach to segmentation, the **image analysis** tool initially identifies the nucleus of each cell captured in the image under consideration. If...

...1 -Al, published October 3, 2002, naming Vaisberg, Cong, and Wu as inventors, and titled " **IMAGE ANALYSIS** OF THE GOLGI COMPLEX," which is incorporated herein by reference for all purposes. [00861 To...

...00891 Acute liver failure can be associated with such necrosis and apoptosis. Both of these **pathologies** are a manifestation of cell death. Yet, they have distinct features that can be utilized in **image analysis** to characterize a cell as necrotic, apoptotic, or neither apoptotic nor necrotic. [00901 To determine...

...can removed easily. Various of these specific manifestations of apoptosis that can be identified by **image analysis** include exposure of phosphatidyl serines on membrane proteins, the migration of cytochrome c from the...

...Figure 2 or described elsewhere here may be employed to identify apoptotic cells in an **image analysis** procedure of this invention. A specific **image - analysis** algorithm for identifying necrotic and apoptotic hepatocytes is described below in the context of Figure...

...is detected, the cell's death might be attributed to apoptosis. For purposes of an **image analysis** assay, a fluorescently labeled annexin V may be used. [00991 hi another approach, late-stage...the scope of this invention. Various combinations of markers and features can be employed in **image analysis** techniques to assess the effects of stimuli on hepatocytes. [001221 Another assay for apoptosis has...

21/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01173943 **Image available**
SYSTEMS FOR IDENTIFYING, DISPLAYING, MARKING, AND TREATING SUSPECT REGIONS

OF TISSUE
SYSTEMES POUR L'IDENTIFICATION, L'AFFICHAGE, LE MARQUAGE, ET LE TRAITEMENT DE ZONES SUSPECTES DE TISSU
Patent Applicant/Assignee:
MEDISPECTRA INC, 45 Hartwell Avenue, Lexington, MA 02421, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
FLEWELLING Ross F, 1 Eagle Cliff Road, Chelmsford, MA 01824, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HAULBROOK William R (agent), Testa, Hurwitz & Thibeault, L.L.P., High Street Tower, 125 High Street, Boston, MA 02110, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200495359 A2-A3 20041104 (WO 0495359)
Application: WO 2004US11820 20040416 (PCT/WO US04011820)
Priority Application: US 2003418902 20030418; US 2004560384 20040407
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 87042

Main International Patent Class: **G06K-009/00**
International Patent Class: **G06K-009/62** ...
Fulltext Availability:
Detailed Description

Detailed Description
... the tissue sample to be performed in a single patient visit. In one embodiment, the **diagnostic** method ftirther includes identifying at least one suspect portion of the tissue sample and excising...

...lamp, along with a model of a blackbody emitter, used for determining an instrument response **correction** for fluorescence **intensity** data according to an illustrative embodiment of the invention.

[00591 Figure 24 shows a graph...

21/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01065680 **Image available**
SYSTEM AND METHOD FOR ANALYSIS OF MEDICAL IMAGE DATA
SYSTEME ET PROCEDE D'ANALYSE DE DONNEES
Patent Applicant/Assignee:
MAGNOLIA MEDICAL TECHNOLOGIES LTD, C/O Volovelsky, Dinstein & Sneh, Nolton House, 14 Shenkar Street, 46725 Herzelia, IL, IL (Residence), IL

(Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
DINSTEIN Doron, 12 Openhiemer Street, 69395 Tel Aviv, IL, IL (Residence), IL (Nationality), (Designated only for: US)
GORDON Barak, 25 Dubnov Street, 75205 Rishon LeZion, IL, IL (Residence), IL (Nationality), (Designated only for: US)
GORDON Goren, 25 Dubnov Street, 75205 Rishon LeZion, IL, IL (Residence), IL (Nationality), (Designated only for: US)
Legal Representative:
AGMON Jonathan (et al) (agent), Soroker-Agmon, Advocates and Patent Attorneys, Levinstein Tower, 12th floor, 23 Petach Tikva Road, 66184 Tel Aviv, IL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200396262 A2-A3 20031120 (WO 0396262)
Application: WO 2003IL386 20030513 (PCT/WO IL2003000386)
Priority Application: US 2002145574 20020513; US 2002145575 20020513; US 2002152367 20020521
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 16548

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Claims
Claim
... Application serial no. 10/152,367 filed 21 May 2002 titled SYSTEM AND METHOD FOR **ANALYSIS** OF **IMAGERY** DATA and i5 US Patent Application serial no. 10/143,508 filed 10 May 2003...

...26) like. In the preferred embodiments of the present invention the information units represent medical **diagnostic images** . The information is typically obtained via a medical diagnostic imaging tool such as a CT...102, can be any organism or a part of an organism under investigation, such as **pathological** specimens under a video microscope and the like. Computing device 17
SUBSTITUTE SHEET (RULE 26...

...optionally manipulated in step 203. The manipulation may include analog to digital (ATD) conversion, color **correction** , **brightness correction** , **contrast correction** and any types of processing typically perfonned on imagery data records in order to enhance...

...to the vast amount of data contained there within. Using complexity calculation of three-dimensional **images** can facilitate the **analysis** and summary of 3D **images** . In a three-dimensional (31)) image the image

data stream comprises three axes. Complexity calculation...

21/3,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00137943
AN APPARATUS AND METHOD FOR ANALYSES OF BIOLOGICAL SPECIMENS
PROCEDE ET APPAREIL D'ANALYSE D'ECHANTILLONS BIOLOGIQUES
Patent Applicant/Assignee:
CELL ANALYSIS SYSTEMS INC,
BACUS James William,
Inventor(s):
BACUS James William,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8702803 A1 19870507
Application: WO 86US2411 19861104 (PCT/WO US8602411)
Priority Application: US 85937 19851104
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH DE FR GB IT JP LU NL SE US
Publication Language: English
Fulltext Word Count: 8935

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description
... it is important to overcome the problem of different staining factors for different specimens.

Also, **image analysis** techniques use microscopes and optical lighting which are **adjustable** to provide different **intensities** of light when used by the **pathologist** . Trained researchers, in research laboratories may be equipped to **adjust** the optical **intensity** to the desired conditions for **image analysis** by **image** pattern techniques, but this generally will not be accomplished with the precision necessary in the usual **pathology** laboratory, Thus, there is a need to overcome the problem of this optical density and...

21/3,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00137942
ANALYSIS METHOD AND APPARATUS FOR BIOLOGICAL SPECIMENS
PROCEDE ET APPAREIL D'ANALYSE D'ECHANTILLONS BIOLOGIQUES
Patent Applicant/Assignee:
CELL ANALYSIS SYSTEMS INC,
Inventor(s):
BACUS James William,
Patent and Priority Information (Country, Number, Date):

Patent: WO 8702802 A1 19870507
Application: WO 86US2409 19861104 (PCT/WO US8602409)
Priority Application: US 85937 19851104
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 20211

Main International Patent Class: **G06K-009/00**
Fulltext Availability:
Detailed Description

Detailed Description
... analysis, discrimination of cells, histograms, and scattergrams of cells or cell populations.

The use of **image analysis** techniques and equipment for stained specimens by **pathologists** in a conventional **pathology** laboratory involves solving a number of problems which have been overcome by the present invention...

...substantially not only from slide to slide and from batch to batch by the same **pathologist** but also will vary substantially between different **pathologists** and different laboratories, Because the present **image analysis** apparatus measures grey level or optical density and because it is desired to provide a...it is important to overcome the problem of different staining factors for different specimens. Also, **image analysis** techniques which use **adjustable** microscopes and optical lighting provide different **intensities** of light when used by the **pathologist** . Trained researchers, in research laboratories may be equipped to **adjust** the optical **intensity** to the desired conditions for **image analysis** by **image** pattern techniques but this generally cannot be accomplished with the precision necessary in the usual **pathology** laboratory. Thus, there is a need to overcome the problem of this light intensity and...offices such as pathology offices having persons of varying degrees of skill and knowledge about **image analysis** , the microscope light source 17 may be variously **adjusted** by different operators such that the **background** may have a different light intensity not only from machine to machine but also at...
?

```
? show files; ds; save temp; logoff hold
File   2:INSPEC 1969-2005/Sep W2
         (c) 2005 Institution of Electrical Engineers
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         (c) 2005 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Sep W2
         (c) 2005 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2005/Aug
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File  94:JICST-EPlus 1985-2005/Jul W4
         (c)2005 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2005/Aug W2
         (c) 2005 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul
         (c) 2005 The HW Wilson Co.
File 144:Pascal 1973-2005/Sep W2
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2005/Sep 17
         (c) 2005 ProQuest Info&Learning

Set     Items   Description
S1    3945882   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
            EO OR PHOTOGRAPH??)
S2    2866037   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3     396061   S1(7N)(DIAGNO? OR ANALY?)
S4       1366   TISSUE(3N)SPECIMEN
S5        226   SPECIMEN(3N)SLIDE?
S6    1878861   MICROSCOP?
S7        255   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8     121068   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
            INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
            MODIF?  OR CHANG?)
S9       5253   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
            OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10      4527   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
            NFORTI, I? OR KONFORTI I?)
S11       287   S10 AND S2
S12         1   S11 AND S3
S13         0   S11 AND S4
S14         0   S11 AND S5
S15         6   S11 AND S6
S16         6   RD (unique items)
S17         2   S16 NOT PY>2000
S18         2   S17 NOT S12
S19         0   S11 AND S8
S20         0   S11 AND S9
S21        37   S1 AND S2 AND S9
S22        34   RD (unique items)
```

S23	24	S22 NOT PY>2000
S24	24	S23 NOT (S17 OR S12)
S25	111	S1 AND S2 AND (S5 OR S4)
S26	30	S25 AND S6
S27	23	RD (unique items)
S28	11	S27 NOT PY>2000
S29	11	S28 NOT (S24 OR S17 OR S12)

12/3,K/1 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

14375752 PASCAL No.: 00-0028415

The diagnostic accuracy of ex vivo MRI for human atherosclerotic plaque characterization

SHINNAR M; FALLON J T; WEHRLI S; **LEVIN M** ; DALMACY D; FAYAD Z A; BADIMON J J; HARRINGTON M; HARRINGTON E; FUSTER V

The Cardiovascular Institute, United States; Department of Medicine, The Mount Sinai School of Medicine, New York, NY, United States; Department of Radiology, The Mount Sinai School of Medicine, New York, NY, United States; Department of Pathology, The Mount Sinai School of Medicine, New York, NY, United States; Children's Hospital of Philadelphia, Philadelphia, Penn., United States; Department of Surgery, The Mount Sinai School of Medicine, New York, NY, United States

Journal: Arteriosclerosis, thrombosis, and vascular biology, 1999, 19 (11) 2756-2761

Language: English

SHINNAR M; FALLON J T; WEHRLI S; **LEVIN M** ; DALMACY D; FAYAD Z A; BADIMON J J; HARRINGTON M; HARRINGTON E; FUSTER V

... accuracy of this method. Twenty-two human carotid endarterectomy specimens underwent ex vivo MRI and **histopathological** examination. Sixty-six cross sections were matched between MRI and **histopathology** . In each cross section, the presence or absence of plaque components were prospectively identified on...

English Descriptors: Atherosclerosis; Atherosclerotic plaque; Endarteriectomy; Carotid; Nuclear magnetic resonance imaging; Ex vivo; **Image analysis** ; **Pathology** ; **Diagnosis** ; Technique

French Descriptors: Atherosclerose; Plaque atherosclerose; Endarteriectomie ; Carotide; Imagerie RMN; Ex vivo; **Analyse image** ; Anatomopathologie; **Diagnostic** ; Technique

Spanish Descriptors: Ateroesclerosis; Placa aterosclerosis; Endarteriectomia; Carotida; Imageria RMN; Ex vivo; Analisis **imagen** ; Anatomia patologica; **Diagnostico** ; Tecnica

Broad Descriptors: Cardiovascular disease; Vascular disease; Surgery; Medical imagery; Appareil circulatoire **pathologie** ; Vaisseau sanguin **pathologie** ; Chirurgie; Imagerie medicale; Aparato circulatorio patologia ; Vaso sanguineo patologia; Cirugia; Imageneria medical

?

18/3,K/1 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

14992384 PASCAL No.: 01-0147436
Early diagnosis of recurrence of Trypanosoma cruzi infection by polymerase chain reaction after heart transplantation of a chronic Chagas' heart disease patient
SCHIJMAN Alejandro Gabriel; VIGLIANO Carlos; BURGOS Juan; FAVALORO Roberto; PERRONE Sergio; LAGUENS Ruben; **LEVIN Mariano Jorge**
Instituto de Investigaciones en Ingenieria Genetica y Biologia Molecular, Buenos Aires, Argentina; Instituto de Cardiologia y Cirugia Cardiovascular, Fundacion Favaloro , Buenos Aires, Argentina
Journal: The Journal of heart and lung transplantation, 2000, 19 (11) 1114-1117
Language: English

SCHIJMAN Alejandro Gabriel; VIGLIANO Carlos; BURGOS Juan; FAVALORO Roberto; PERRONE Sergio; LAGUENS Ruben; **LEVIN Mariano Jorge**
... for early diagnosis of reactivation. We monitored post-operative recurrence of Trypanosoma cruzi infection with **microscopic** observation of the parasite in peripheral blood (Strout's method), endomyocardial biopsies (EMBs), skin lesions...
... parasitemia and cutaneous manifestations of reactivation, proving that PCR is much more sensitive than direct **microscopic** observation for early diagnosis of disease reactivation in heart-transplanted Chagas' disease patients.
...Broad Descriptors: Molecular biology; Cardiovascular disease; Surgery; Trypanosomiase; Protozoose; Parasitose; Kinetoplastida; Protozoa; Transplantation; Biologie moleculaire; Appareil circulatoire **pathologie** ; Chirurgie; Tripanosomiasis; Protozoosis; Parasitosis; Kinetoplastida; Protozoa; Trasplantacion; Biologia molecular; Aparato circulatorio patologia; Cirugia

18/3,K/2 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

14050279 PASCAL No.: 99-0240529
Evidence of hypoxic areas within the arterial wall in vivo
BJOERNHEDEN T; **LEVIN M** ; EVALDSSON M; WIKLUND O
Wallenberg Laboratory for Cardiovascular Research, University of Goeteborg, Goeteborg, Sweden
Journal: Arteriosclerosis, thrombosis, and vascular biology, 1999, 19 (4) 870-876
Language: English

BJOERNHEDEN T; **LEVIN M** ; EVALDSSON M; WIKLUND O

English Descriptors: Atherosclerosis; Hypoxia; Optical **microscopy** ; Immunofluorescence; Pathogenesis; Rabbit; Animal; Oxygen

French Descriptors: Atherosclerose; Hypoxie; **Microscopie** optique;

Immunofluorescence; Pathogenie; Lapin; Animal; Oxygene

Spanish Descriptors: Ateroesclerosis; Hipoxia; **Microscopia** optica; Inmunofluorescencia; Patogenia; Conejo; Animal; Oxigeno
Broad Descriptors: Lagomorpha; Mammalia; Vertebrata; Cardiovascular disease ; Vascular disease; **Pathology** ; Lagomorpha; Mammalia; Vertebrata; Appareil circulatoire **pathologie** ; Vaisseau sanguin **pathologie** ; Anatomopathologie; Lagomorpha; Mammalia; Vertebrata; Aparato circulatorio patologia; Vaso sanguineo patologia; Anatomia patologica
?

24/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

07717430 INSPEC Abstract Number: B2000-11-7510-009, C2000-11-7330-073
Title: Computerized decision support **in** medical **imaging**
Author(s): Chabat, F.; Hansell, D.M.; Guang-Zhong Yang
Author Affiliation: Dept. of Comput., Imperial Coll. of Sci., Technol. & Med., London, UK
Journal: IEEE Engineering in Medicine and Biology Magazine vol.19, no.5 p.89-96
Publisher: IEEE,
Publication Date: Sept.-Oct. 2000 Country of Publication: USA
CODEN: IEMBDE ISSN: 0739-5175
SICI: 0739-5175(200009/10)19:5L.89:CDSM;1-9
Material Identity Number: C827-2000-005
U.S. Copyright Clearance Center Code: 0739-5175/2000/$10.00
Language: English
Subfile: B C

Title: Computerized decision support **in** medical **imaging**
Abstract: Describes challenges in using **image** processing and automated feature extraction for improving diagnostic accuracy. The generalization of digital technology in...
... tools to help resolve the difficulties encountered by radiologists. It has already been demonstrated that **image** processing and automated feature extraction can help improve diagnostic accuracy in some applications. Future challenges...

... for the development of vision techniques tailored for a wider range of imaging modalities and **pathologies** the design of methods for the combination of several classifiers, and the implementation of expert...
...Descriptors: medical **image** processing...
Identifiers: **computerized medical** imaging **decision support** ; ...

... **pathologies** ;

24/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

06623059 INSPEC Abstract Number: A9715-8760J-013, B9708-7510B-163, C9708-7330-274
Title: Intelligent support for the neuroimaging
Author(s): Novak, B.; Bunc, G.
Author Affiliation: Fac. of Electr. Eng. & Comput. Sci., Maribor Univ., Slovenia
Conference Title: Proceedings. Tenth IEEE Symposium on Computer-Based Medical Systems (Cat. No.97CB36083) p.155-9
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1997 Country of Publication: USA xi+262 pp.
ISBN: 0 8186 7928 X Material Identity Number: XX97-01296
U.S. Copyright Clearance Center Code: 1063-7125/97/$10.00
Conference Title: Proceedings of Computer Based Medical Systems
Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Comput. Med.; IEEE Eng. Med. & Biology Soc

Conference Date: 11-13 June 1997 Conference Location: Maribor, Slovenia
Language: English
Subfile: A B C

Abstract: Neuroimaging provides a neurosurgeon with the most important information about **pathology** concerning a particular patient. The amount of such information is enormous and is still growing...

...the physician to make better and quicker decisions about exact diagnosis and localization of the **pathology** for further **medical** interventions. In such cases **computer** based intelligent **support** can help a physician to acquire more important information from X-ray **images** . This is very important for drawing proper conclusions and taking appropriate action. The authors are...
...Descriptors: **image** segmentation...

...medical **image** processing
...Identifiers: patient **pathology** ; ...

...X-ray **images** ;

24/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

06264090 INSPEC Abstract Number: A9612-8770-001, B9606-7500-004, C9606-7330-138
Title: Medical tele-education system with super high definition (SHD) image **viewer**
Author(s): Tsumura, H.; Ashihara, T.; Urata, Y.; Hata, J.; Fukuhara, Y.; Ono, S.
Author Affiliation: NTT Inf. & Commun. Syst. Labs., Japan
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2663 p.13-18
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1996 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1996)2663L.13:MTES;1-I
Material Identity Number: C574-96076
U.S. Copyright Clearance Center Code: 0 8194 2037 9/96/$6.00
Conference Title: Very High Resolution and Quality Imaging
Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol
Conference Date: 31 Jan.-2 Feb. 1996 Conference Location: San Jose, CA, USA
Language: English
Subfile: A B C

Title: Medical tele-education system with super high definition (SHD) image **viewer**
Abstract: We have been studying a **medical** tele-education **support system** for an individual tutoring system, called CALAT, and a super high definition (SHD) **image** processing system, called SuperFM-III. Now, we are in a trial operation to use the SuperFM-III for a super high definition **image** control viewer on the CALAT client side, and have created the

courseware for the **pathological images** . In this paper, we describe the concept and the implementation of this system.
...Descriptors: **image** processing equipment...

...medical **image** processing
...Identifiers: super high definition **image** viewer...

... **image** processing system...

...super high definition **image** control viewer...

... **pathological images** ;

24/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

05109490 INSPEC Abstract Number: C9204-7140-007
Title: Information engineering and its application to medical treatment
Author(s): Tanaka, H.
Author Affiliation: Inst. of Electr. Eng., Tokyo, Japan
Journal: Journal of the Institute of Electrical Engineers of Japan vol.111, no.5 p.390-3
Publication Date: May 1991 Country of Publication: Japan
CODEN: DGZAAW ISSN: 0020-2878
Language: Japanese
Subfile: C

...Abstract: large-scale LANs and several hundred intelligent terminals in the hospital. Some hospitals use a **medical** diagnosis **support system** with a **medical** knowledge database, and an electronic clinical chart system in which X-ray **pictures** and **images** of blood inspection and **pathological** anatomy can be fully viewed from a terminal. For exchange of medical/health information between...
Descriptors: computerised **picture** processing...
...Identifiers: **medical** diagnosis **support system** ; ...

... **pathological** anatomy

24/3,K/5 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

0665330 NTIS Accession Number: LA-UR-77-531/XAB
Automatic Detection of Alternations in Pulmonary Venous Pressure
Strand, T. C. ; Turner, A. F. ; Meyers, H. I. ; Kruger, R. P.
Los Alamos Scientific Lab., N.Mex.
Corp. Source Codes: 3820000
Sponsor: Energy Research and Development Administration.
Report No.: CONF-770224-1
1977 7p
Document Type: Conference proceeding
Journal Announcement: GRAI7802; NSA0200
San Diego biomedical symposium, San Diego, California, United States of America (USA), 2 Feb 1977.
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NTIS Prices: PC A02/MF A01

Image processing and pattern recognition techniques are useful in radiology to aid in the decision making...
... A laser is used to illuminate certain zones of the lung, and by passing the **image** through a thin convex lens the diffraction pattern is produced. This pattern impinges on a...
Descriptors: *Biomedical radiography; *Blood pressure; *Diagnostic techniques; *Vascular diseases; Automation; Computer calculations; Edema; **Images** ; Lungs; Measuring methods; **Pathological** changes; Respiratory system diseases; X radiation
Identifiers: ***Medica** l **computer** applications; ERDA/551000; ERDA/550600 ; **Decision** making; Radiology; Pattern recognition; NTISERDA

24/3,K/6 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05795013 E.I. No: EIP01025547761
Title: Computer-assisted discrimination among malignant lymphomas and leukemia using immunophenotyping, intelligent image **repositories, and telemicroscopy**
Author: Foran, David J.; Comaniciu, Dorin; Meer, Peter; Goodell, Lauri A.
Corporate Source: UMDNJ-Robert Wood Johnson Medical Sch, Piscataway, NJ, USA
Source: IEEE Transactions on Information Technology in Biomedicine v 4 n 4 Dec 2000. p 265-273
Publication Year: 2000
CODEN: ITIBFX ISSN: 1089-7771
Language: English

Title: Computer-assisted discrimination among malignant lymphomas and leukemia using immunophenotyping, intelligent image **repositories, and telemicroscopy**
Abstract: The process of discriminating among **pathologies** involving peripheral blood, bone marrow, and lymph node has traditionally begun with subjective morphological assessment...

...malignancies. The system consists of two major components, a distributed telemicroscopy system and an intelligent **image** repository. The hybrid system enables individuals located at disparate clinical and research sites to engage...

...automated database management. Search engines for the database allow one to automatically identify and retrieve **images** , diagnoses, and correlated clinical data of cases from a 'gold standard' database which exhibit spectral and spatial profiles which are most similar to a given query **image** . The system suggests the most likely diagnosis based on majority logic of the retrieved cases...
Descriptors: ***Compute** r aided diagnosis; Diseases; Immunology; **Medical** imaging; **Pathology** ; Blood; **Decision support systems** ; **Medical** applications; **Computer** aided **software** engineering; Microscopic examination
Identifiers: Computer assisted discrimination; Malignant lymphomas;

Leukemia; Immunophenotyping; Intelligent **image** repositories; Telemicroscopy; Bone marrow; Clinical decision support systems

24/3,K/7 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05672810 E.I. No: EIP00095349785
Title: Computed tomography image **analyzer: 3D reconstruction and segmentation applying active contour models - 'snakes'**
Author: Maksimovic, Ruzica; Stankovic, Srdjan; Milovanovic, Dragorad
Corporate Source: Univ of Belgrade, Belgrade, Yugosl
Source: International Journal of Medical Informatics v 58 Sep 2000. p 29-37
Publication Year: 2000
CODEN: IJMIF4 ISSN: 1386-5056
Language: English

Title: Computed tomography image **analyzer: 3D reconstruction and segmentation applying active contour models - 'snakes'**
Abstract: Many diagnostic and therapeutic procedures depend on medical **images** . In order to overcome imperfections of the obtained **images** , which are due to the acquisition process, and to extract new information from the available **images** , many techniques have been developed. In this study, a new method of **image** segmentation and 3D reconstruction based on active contour models ('snakes') was applied in analyzing computed tomography (CT) **images** in patients with acute head trauma. Using this method, lesion to brain (LBR) and ventricle...
...with these clinical parameters. In addition, LBR was significantly higher in the patients with other **pathologic** CT findings. The proposed methodology, based on extracting maximum information from available CT scans, could...
Descriptors: *Computerized tomography; Diagnosis; Physical therapy; **Image** analysis; Brain; Cardiovascular **system** ; **Decision** making; **Medical** computing
Identifiers: Computed tomography **image** analyzer; Ventricle to brain ratio; Lesion to brain ratio; Acute head trauma; Medical decision making

24/3,K/8 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04917901 E.I. No: EIP98014036078
Title: Q-analysis for modeling and decision making
Author: Duckstein, Lucien; Nobe, Steven A.
Corporate Source: Univ of Arizona, Tucson, AZ, USA
Source: European Journal of Operational Research v 103 n 3 Dec 16 1997. p 411-425
Publication Year: 1997
CODEN: EJORDT ISSN: 0377-2217
Language: English

...Abstract: called Q-analysis, using the examples of design and analysis of expert systems in medical **image** processing and analysis: namely the organization of a **histopathologic** knowledge base. Q-analysis is also applied to a multicriterion decision-making (MCDM) problem using...

Descriptors: *Expert **systems** ; **Decision** making; **Computer** simulation; **Medical** imaging; **Image** processing; Knowledge based systems; System theory

Identifiers: Computerized **image** analysis; Multicriterion Q analysis; Medical **image** processing

24/3,K/9 (Item 4 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

04454622 E.I. No: EIP96033065834

Title: Medical tele-education system with superhigh-definition (SHD) image **viewer**

Author: Ashihara, Tsukasa; Tsumura, Hiroshi; Urata, Yoji; Hata, Jun-ichi; Fukuhara, Yoshimi; Ono, Sadayasu

Corporate Source: Kyoto Prefectural Univ. of Medicine, Kamikyo-ku, Kyoto-shi, Jpn

Conference Title: Very High Resolution and Quality Imaging

Conference Location: San Jose, CA, USA Conference Date: 19960131-19960202

E.I. Conference No.: 22477

Source: Proceedings of SPIE - The International Society for Optical Engineering v 2663 1996. Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 13-18

Publication Year: 1996

CODEN: PSISDG ISSN: 0277-786X ISBN: 0-8194-2037-9

Language: English

Title: Medical tele-education system with superhigh-definition (SHD) image **viewer**

Abstract: We have been studying a **medical** tele-education **support system** by an individual tutoring system, called CALAT, and a super high definition (SHD) **image** processing system, called SuperFM-III. Now, we are in a trial operation to use the SuperFM-III for a super high definition **image** control viewer on the CALAT client side, and have created the courseware of the **pathological images** . In this paper, we show the concept and the implementation of this system. 6 Refs.

Descriptors: *Imaging systems; Medical applications; Education; **Image** processing

Identifiers: Medical tele-education systems; Superhigh definition **image** viewers; Individual tutoring system CALAT; **Pathological images**

24/3,K/10 (Item 5 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

01042397 E.I. Monthly No: EI8109074528 E.I. Yearly No: EI81043827

Title: PROCEEDINGS -- ANNUAL SYMPOSIUM ON COMPUTER APPLICATIONS IN MEDICAL CARE, 4TH, INCLUDING PROCEEDINGS OF THE ANNUAL CONFERENCE OF THE SOCIETY FOR ADVANCED MEDICAL SYSTEMS, 12TH: HEALTH SYSTEMS, THE NEXT DECADE, 1980.

Author: O'Neill, Joseph T. (Ed.)

Corporate Source: Natl Cent for Health Serv Res, Hyattsville, Md

Source: Proc Annu Symp Comput Appl Med Care 4th, Proc of the Annu Conf of the Soc for Adv Med Syst, 12th, Washington, DC, Nov 1-5 1980. Publ by IEEE (Cat n 80CHI570-1), Piscataway, NJ, 1980 3 vols 1945 p

Publication Year: 1980
CODEN: PCMCDC
Language: ENGLISH

...Abstract: 5 appear as abstracts only. 166 papers are indexed separately. Topics covered include: hospital information **systems** ; therapeutic radiology; **medical** **decision** making; statistical methods for diagnosis and prediction; occupational health; laboratory computer systems; **image** analysis; selective scheduling and medical records applications; office practice; computer applications in mental health; drug... ...management, managerial and administrative applications; distributed systems; programmerless systems development; and trends in laboratory and **pathology** computing.

24/3,K/11 **(Item 1 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management

01388203 20000302650
Case-based reasoning (CBR) in endoscopic images **diagnosis aid**
Le Guillou, C; Cauvin, J-M; Solaiman, B; Robaszkiewicz, M; Roux, C
Lab. LATIM, ENSTB, Brest, F
Proceedings of the First Joint BMES/EMBS Conference. 1999 IEEE Engineering in Medicine and Biology 21st Annual Conference and the 1999 Annual Fall Meeting of the Biomedical Engineering Society (Cat. No.99CH37015), 13-16 Oct. 1999, Atlanta, GA, USA1999
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7803-5674-8

Case-based reasoning (CBR) in endoscopic images **diagnosis aid**

ABSTRACT:
...of medical atlases aims at constituting iconographic bases and at developing 'intelligent' tools, thus allowing **image** retrieval according to several modalities. Such atlases are consequently used as assistance tools for physicians...

...formation and research. Therefore, the study described is directed at upper digestive endoscopy and its **imagery** with the aim of conceiving a computer-assisted diagnosis system. It will be articulated around a base of **images** on which will be supported case-based reasoning), adapted to elucidate a case-in fact, to find the similar ones to it. Moreover, a knowledge base describing endoscopic **pathologies** is destined to take place of a control unit of coherence for similarities search.
DESCRIPTORS: EXPERT SYSTEMS; **MEDICAL** **IMAGE** PROCESSING; VISUAL DATABASES ; DIAGNOSTIC **SUPPORT** **SYSTEM** ; **MEDICAL** DIAGNOSTIC SYSTEMS; **COMPUTER** ASSISTANCE; KNOWLEDGE BASES; ENDOSCOPY; MEDICAL DATA BASE
IDENTIFIERS: FALLORIENTIERTE BEWEISFUEHRUNG; DEDUKTIVE DATENBANK; BILDWIEDERGEWINNUNG; MEDIZINISCHES EXPERTENSYSTEM; ENDOSKOPISCHES BILD; ENDOSKOPISCHE **PATHOLOGIE** ; MEDIZINISCHER ATLAS; INTELLIGENTES WERKZEUG; AEHNLICHKEITSSUCHE; Diagnoseunterstuetzung (Medizin); endoskopisches Bild

24/3,K/12 **(Item 2 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management

01118622 F97070422943
Die 'Zweite Meinung' in der Radiologie Online ueber das Internet: Bericht ueber die Implementierung aund Analyse der Befundungssicherheit von Schnittbildern
(The radiological 'second opinion' online through the Internet: Report on implementation and analysis of the diagnostic certainty of transmitted **images**)
Ricke, J; Donk, Evan der; Wolf, M; Ostendorf, B; Hosten, N; Zielinski, C; Liebig, T; Stroszczinski, C; Lopez-Haenninen, E; Lemke, AJ; Gillessen, C; ua
Univ. Berlin, D; Het Netherlands Kanker Inst. Antoni van Leeuwenhoekhuis, Amsterdam, NL; Univ. Duesseldorf, D
Aktuelle Radiologie, v7, n1, pp50-55, 1997
Document type: journal article Language: German
Record type: Abstract
ISSN: 0939-267X

...(online through the Internet: Report on implementation and analysis of the diagnostic certainty of transmitted **images**)

ABSTRACT:
...Visualisierung beim Empfaenger erfordert fuer die speziellen medizinischen Bildformate derzeit proprietaere Software, Standard Grafikformate wie **GIFF** oder **JPEG** werden von der ueblichen Internet-Software visualisiert. In einer ROC-Analyse wurden 56 Einzelbilder kranieller Computertomographien mit zur Haelfte **pathologischen** Befunden bei Raumforderungen, Infarzierungen oder Hirnoedem hinsichtlich der Befundungssicherheit nach Digitalisierung mit einer Dokumentenkamera geprueft...
DESCRIPTORS: DATA TELEPROCESSING; DATA TRANSMISSION; CANCER RESEARCH; **IMAGE** DATABANKS; RADIOGRAPHY; ON LINE PROCESSING; APPLICATION **SOFTWARE** ; ANALOGUE DIGITAL CONVERSION; **MEDICAL** DIAGNOSTIC ACCURACY; DIAGNOSTIC **SUPPORT** **SYSTEM** ; CLINICAL FINDINGS

24/3,K/13 (Item 3 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01006452 F96070060970
Sonographic diagnosis of a ureteral diverticulum
(Sonographie des Ureterdurchgang-Divertikels)
Yung-Liang Wan; Ming-Li Hsieh; Chuen Hsueh; Hin-Chueng Shum; Chi-Lai Kea
Chang Gung College of Med. a. Technol., Tao-Yuan, RC
Journal of Ultrasound in Medicine, v15, n6, pp483-485, 1996
Document type: journal article Language: English
Record type: Abstract
ISSN: 0278-4297

ABSTRACT:
...3 cm Durchmesser diagnostiziert. Es wird der Frage nachgegangen, inwieweit die Ultrasonographie dazu beitragen kann, **pathologische** Veraenderungen dieser Art zu erkennen und somit die Diagnosesicherheit zu erhoehen.
DESCRIPTORS: CYST; URETERS; MORPHOLOGY; DIAGNOSTIC RADIOGRAPHY; **IMAGE** FORMING QUALITY; **MEDICAL** DIAGNOSTIC ACCURACY; COMPARISON OF METHODS; DIAGNOSTIC **SUPPORT** **SYSTEM** ; CASE REPORT

24/3,K/14 (Item 4 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00917083 F95070077940
Choice of hardware for implementation of an algorithm for lung disease diagnosis
(Hardwareauswahl zur Softwareimplentierung fuer Lungendiagnostik)
Chikirdin, EG; Astrakhantsev, FA
Sci.-Res. Inst. f. Diagnostics and Surgery, Moscow, RU
Biomedical Engineering, New York, v28, n4, pp173-178, 1994
Document type: journal article Language: English
Record type: Abstract
ISSN: 0006-3398

DESCRIPTORS: DENSITOMETRY; ROENTGENOGRAM; X RAY TOMOGRAPHY; CONVERSATIONAL MODE; MEDICAL DIAGNOSTIC ACCURACY; X RAY INTENSIFYING SCREENS; **VIDEO** TAPES; COMPUTER SYSTEMS HARDWARE; SELECTING EQUIPMENT; **PATHOLOGY** ; LUNG; PULMONARY FUNCTION TEST; CLASSIFICATION; LESION; COMPUTED TOMOGRAPHY; DIAGNOSTIC **SUPPORT SYSTEM** ; **MEDICAL** DIAGNOSTIC SYSTEMS; WORLD HEALTH ORGANIZATION; **COMPUTER** SOFTWARE; IMPLEMENTATION; MICROCOMPUTERS; CLINICAL DIAGNOSTICS

24/3,K/15 (Item 5 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00859420 F95022098975
The reliability of computer analysis of ultrasonographic prostate images : **The influence of inconsistent** histopathology
(Die Zuverlaessigkeit der Rechner-Bildanalyse ultrasonographischer Prostatabilder: Der Einfluss nichtkonsistenter **histopathologischer** Befunde)
Giesen, RJB; Huynen, AL; DeLa Rosette, JJMCH; Schaafsma, HE; Iersel, MPvan; Aarnink, RG; Debruyne, FMJ; ua
Univ. Nijmegen, NL
Ultrasound in Medicine and Biology, v20, n9, pp871-876, 1994
Document type: journal article Language: English
Record type: Abstract
ISSN: 0301-5629

The reliability of computer analysis of ultrasonographic prostate images : **The influence of inconsistent** histopathology
(Die Zuverlaessigkeit der Rechner-Bildanalyse ultrasonographischer Prostatabilder: Der Einfluss nichtkonsistenter **histopathologischer** Befunde)

ABSTRACT:
This article describes a method to investigate the influence of inconsistent **histopathology** during the development of tissue discrimination algorithms. Review of the **pathology** is performed on the biopsies used as training set of a computer system for cancer detection in ultrasonographic prostate **images** . The influence of the discrepancies found between independent **pathologists** on the discriminating power of the system is investigated. A high diagnostic consistency in **histopathology**

concerning only the categories malignant and nonmalignant is found. Therefore, review of the **pathology** does not significantly influence the results of tissue discrimination algorithms for cancer detection. However a ...
DESCRIPTORS: DIAGNOSTIC **SUPPORT SYSTEM** ; **MEDICAL** DIAGNOSTIC ACCURACY; **IMAGE** ANALYSIS; PROSTATE; TISSUE CHARACTERIZATION; HISTOLOGY; **PATHOLOGY** ; ALGORITHM; COMPUTER APPLICATIONS; CLINICAL FINDINGS; CLINICAL DIAGNOSTICS; PULSE ECHO METHOD

24/3,K/16 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

14881774 PASCAL No.: 01-0029316
Videotape-based decision aid for colon cancer screening : A randomized, controlled trial
PIGNONE Michael; HARRIS Russell; KINSINGER Linda
University of North Carolina and University of North CarolinaLineberger Comprehensive Cancer Center, Chapel Hill, North Carolina, United States
Journal: Annals of internal medicine, 2000, 133 (10) 761-769
Language: English

... of effective screening options. Objective: To test whether a decision aid consisting of an educational **video** , targeted brochure, and chart marker increased performance of colon cancer screening in primary care practices...

... past 5 years. Intervention: The 249 participants were randomly assigned to view an 11-minute **video** about colon cancer screening (intervention group) or a **video** about automobile safety (control group). After viewing the **video** , intervention group participants chose a color-coded educational brochure (based on stages of change) to...
... 3.0 to 25.4 percentage points)). Conclusion: A decision aid consisting of an educational **video** , brochure, and chart marker increased ordering and performance of colon cancer screening tests.

English Descriptors: Malignant tumor; Colon; **Medical** screening; Biological effect; **Decision support system** ; **Medical** prescription; **Video** recording; Flowchart; Human

French Descriptors: Tumeur maligne; Colon; Depistage; Effet biologique; **Systeme** aide **decision** ; Prescription **medicale** ; Enregistrement **video** ; Organigramme; Homme

Spanish Descriptors: Tumor maligno; Colon; Descubrimiento; Efecto biologico ; Sistema ayuda decision; Prescripcion medica; Registro **video** ; Organigrama; Hombre
Broad Descriptors: Digestive diseases; Intestinal disease; Colonic disease; Public health; Appareil digestif **pathologie** ; Intestin **pathologie** ; Colon **pathologie** ; Sante publique; Aparato digestivo patologia; Intestino patologia; Colon patologia; Salud publica

24/3,K/17 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

14765771 PASCAL No.: 00-0444609

The use of video **-based patient education for shared decision-making in the treatment of prostate cancer**

Counseling prostate cancer patients in the information age

GOMELLA L G; ALBERTSEN P C; BENSON M C; FORMAN J D; SOLOWAY M S

GOMELLA Leonard G, ed

Jefferson Medical College, and Department of Urologic Oncology, Kimmel Cancer Center, Philadelphia, PA, United States; Division of Urology, University of Connecticut Health Center, Farmington, CT, United States; New York Presbyterian Hospital, New York, NY, United States; Department of Radiation and Oncology, Wayne State University School of Medicine, Detroit, MI, United States; Department of Urology, University of Miami School of Medicine, Miami, FL, United States

Department of Urology, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, United States

Journal: Seminars in urologic oncology, 2000, 18 (3) 182-187

Language: English

The use of video **-based patient education for shared decision-making in the treatment of prostate cancer**

... physician and patient, the pros and cons of shared decision-making, and the use of **video** technology in the clinical setting. The authors review the use of **medical** **decision** aids, including a **video** -based educational **program** called CHOICES, in the treatment of prostate cancer and other diseases.

...Broad Descriptors: Malignant tumor; Urinary system disease; Male genital diseases; Prostate disease; Homme; Tumeur maligne; Appareil urinaire **pathologie** ; Appareil genital male **pathologie** ; Prostate **pathologie** ; Hombre; Tumor maligno; Aparato urinario patologia; Aparato genital macho patologia; Prostata patologia

24/3,K/18 (Item 3 from file: 144)

DIALOG(R)File 144:Pascal

14246842 PASCAL No.: 99-0449653

Reexamining the value of hematuria testing in patients with acute flank pain

BOVE P; KAPLAN D; DALRYMPLE N; ROSENFIELD A T; VERGA M; ANDERSON K; SMITH R C

Departments of Diagnostic Radiology and Urology, Yale University School of Medicine, New Haven, Connecticut, United States

Journal: The Journal of urology, 1999, 162 (3 PART1) 685-687

Language: English

English Descriptors: Intractable pain; Abdomen; Lateral; Human; Acute; Indication; Hematuria; **Medical** screening; **Decision** aid; **Computerized** axial tomography; Predictive value; Hemorrhage

Broad Descriptors: Kidney disease; Urinary system disease; Radiodiagnosis; Medical **imagery** ; Rein **pathologie** ; Appareil urinaire **pathologie** ; Radiodiagnostic; Imagerie medicale; Rinon patologia; Aparato urinario

patologia; Radiodiagnostico; Imageneria medical

24/3,K/19 (Item 4 from file: 144)
DIALOG(R)File 144:Pascal
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14156156 PASCAL No.: 99-0353810
Die schmerzhafte Huefte im Kindesalter
(The painful hip in childhood)
HAHN H; USENER M; FAERBER D
Kinderradiologische Abteilung, Kinderklinik der TU Muenchen in der Kinderklinik Muenchen-Schwabing, Germany
Journal: Radiologe, 1999, 39 (6) 478-482
Language: German Summary Language: English

English Descriptors: Hip; Intractable pain; Child; Clinical form; Diagnostic aid; Radiologic sign; Radiography; **Computerized** axial tomography; **Decision** tree; Echography; **Medical imagery** ; Lower limb
Broad Descriptors: Human; Diseases of the osteoarticular system; Radiodiagnosis; Sonography; Homme; Systeme osteoarticulaire **pathologie** ; Radiodiagnostic; Exploration ultrason; Hombre; Sistema osteoarticular patologia; Radiodiagnostico; Exploracion ultrasonido

24/3,K/20 (Item 5 from file: 144)
DIALOG(R)File 144:Pascal
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13739177 PASCAL No.: 98-0431642
Evaluation and staging of musculoskeletal neoplasms
PEABODY T D; GIBBS C P JR; SIMON M A
Section of Orthopaedic Surgery and Rehabilitation Medicine, Department of Surgery, University of Chicago Medical Center, Chicago, United States
Journal: Journal of bone and joint surgery. American volume, 1998, 80 (8) 1204-1218
Language: English

English Descriptors: Tumor; Osteoarticular **system** ; Diagnosis; Symptomatology; Stage classification; **Medical imagery** ; **Histopathology** ; **Decision aid** ; Treatment; Prognosis; Human; Bone; Soft tissue

French Descriptors: Tumeur; Systeme osteoarticulaire; Diagnostic; Symptomatologie; Classification par stade; Imagerie medicale; **Histopathologie** ; Aide decision; Traitement; Pronostic; Homme; Os; Partie molle
Broad Descriptors: Diseases of the osteoarticular system; Striated muscle disease; Benign neoplasm; Malignant tumor; Systeme osteoarticulaire **pathologie** ; Muscle strie **pathologie** ; Tumeur benigne; Tumeur maligne; Sistema osteoarticular patologia; Musculo estriado patologia; Tumor benigno; Tumor maligno

24/3,K/21 (Item 6 from file: 144)
DIALOG(R)File 144:Pascal

13629640 PASCAL No.: 98-0335774
Existe-t-il aujourd'hui une strategie universelle de diagnostic de l'embolie pulmonaire aigue ?
(Acute pulmonary embolism : is there an universal diagnostic management ?)
COULOMB M; FERRETTI G; AYANIAN D; RANCHOUP Y; THONY F
Service Central de Radiologie et Imagerie Medicale, CHU Grenoble, BP 217, 38043 Genoble, France
Journal: Journal de radiologie : (Paris), 1998, 79 (6) 515-528
Language: French Summary Language: English

English Descriptors: Pulmonary embolism; Human; Diagnosis; Consensus conference; **Decision** tree; **Medical imagery** ; Angiography; **Computerized** axial tomography; Scintigraphy; Duplex ultrasonography
Broad Descriptors: Respiratory disease; Cardiovascular disease; Vascular disease; Radiodiagnosis; Radionuclide study; Sonography; Appareil respiratoire **pathologie** ; Appareil circulatoire **pathologie** ; Vaisseau sanguin **pathologie** ; Radiodiagnostic; Exploration radioisotopique; Exploration ultrason; Aparato respiratorio patologia; Aparato circulatorio patologia; Vaso sanguineo patologia; Radiodiagnostico...

24/3,K/22 (Item 7 from file: 144)
DIALOG(R)File 144:Pascal

12950323 PASCAL No.: 97-0225593
An audit of knee radiographs performed for general practitioners
MORGAN B; MULLICK S; HARPER W M; FINLAY D B
Department of Radiology, Leicester Royal Infirmary, Leicester LE1 5WW, United Kingdom; Allesley Village Surgery, 163 Birmingham Road, Coventry CV5 9BD, United Kingdom; Department of Orthopaedics, Leicester Royal Infirmary, Leicester LE1 5WW, United Kingdom
Journal: British journal of radiology, 1997, 70 (MAR) 256-260
Language: English

English Descriptors: Radiologic investigation; Human; Knee; Lower limb; Professional experience; Audit; **Decision** tree; Indication; **Medical imagery** ; Questionnaire; **United** Kingdom
Broad Descriptors: Europa; Europe; Diseases of the osteoarticular system; Europe; Systeme osteoarticulaire **pathologie** ; Europa; Sistema osteoarticular patologia

24/3,K/23 (Item 8 from file: 144)
DIALOG(R)File 144:Pascal

12183166 PASCAL No.: 95-0398079
Imagerie et prise en charge postnatales apres diagnostic antenatal d'une

uropathie
(Prenatal diagnosis of a uropathy: posnatal imaging and panagement.)
DACHER J N; EURIN D; MITROFANOFF P; LE DOSSEUR P
CHU Charles-Nicolle, serv. radiopediatrie, 76000 Rouen, France; CHU Charles-Nicolle, serv. chirurgie pediatrique, 76000 Rouen, France
Journal: Feuillets de radiologie, 1995, 35 (3) 220-227
Language: French Summary Language: English

English Descriptors: Malformation; Urinary **system** ; Fetus; **Decision** making; **Medical imagery** ; Postnatal; Technique; Exploration; Evolution ; Human
Broad Descriptors: Urinary system disease; Fetal diseases; Appareil urinaire **pathologie** ; Foetus **pathologie** ; Aparato urinario patologia; Feto patologia

24/3,K/24 (Item 9 from file: 144)
DIALOG(R)File 144:Pascal

10826352 PASCAL No.: 93-0335708
Chirurgie de la scoliose : aide a la decision par l'imagerie en trois dimensions (3D)
LEPOUTRE F X; GODILLON A P
CNRS Univ. Valenciennes, lab. automatique industrielle humaine, 59304 Valenciennes, France
Laboratories Cassenne, Paris La Defense, France.
Rhumatologie : de la theorie a la pratique. Symposium (Paris FRA) 1992-01-25
Journal: Revue du rhumatisme et des maladies osteo-articulaires, 1992, 59 (6BIS) 7S-12S
Language: French Summary Language: English

English Descriptors: Human; Diseases of the osteoarticular system; Disease of the spine; Scoliosis; Surgery; Medical **imagery** ; Radiodiagnosis; Tridimensional **image** ; Review

French Descriptors: Homme; **Systeme** osteoarticulaire **pathologie** ; Rachis **pathologie** ; Scoliose; Chirurgie; **Decision medicale** ; Imagerie **medicale** ; Radiodiagnostic; **Image** tridimensionnelle; Article synthese
Spanish Descriptors: Hombre; Sistema osteoarticular patologia; Raquis patologia; Escoliosis; Cirugia; Imageneria medical; Radiodiagnostico; **Imagen** tridimensional; Articulo sintesis
?

29/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

07578314 INSPEC Abstract Number: A2000-11-8760F-010, B2000-06-7510J-013
Title: Biomedical imaging using optical coherence tomography
Author(s): Fujimoto, J.G.
Author Affiliation: Dept. of Electr. Eng. & Comput. Sci., MIT, Cambridge, MA, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3749 p.402-3
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1999 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1999)3749L.402:BIUO;1-W
Material Identity Number: C574-1999-257
U.S. Copyright Clearance Center Code: 0277-786X/99/$10.00
Conference Title: 18th Congress of the International Commission for Optics
Conference Sponsor: SPIE
Conference Date: 2-6 Aug. 1999 Conference Location: San Francisco, CA, USA
Language: English
Subfile: A B

...Abstract: resulting two-dimensional data set can be displayed as a gray scale or false color **image** . OCT functions as a type of "optical biopsy" to provide cross sectional **images** of tissue structure on the micron scale. OCT is a powerful imaging technology because, unlike conventional **histopathology** , which requires removal of a **tissue specimen** and processing for **microscopic** examination, OCT can provide **images** of tissue in situ and in real time, without the need for excision.
...Descriptors: **image** resolution...

...optical **images** ;
...Identifiers: false color **image** ; ...

...cross sectional **images** ; ...

... **histopathology** ; ...

... **tissue specimen** ; ...

... **microscopic** examination...
... **images** ;

29/3,K/2 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

2002720 NTIS Accession Number: AD-A321 774/2
Dual Use Telemedicine Support System for Pathology
(Annual rept. 1 Oct 95-30 Sep 96)
Preston, K.
Kensal Consulting, Tucson, AZ.

Corp. Source Codes: 094774000; 429387
Oct 96 71p
Languages: English
Journal Announcement: GRAI9714
Document partially illegible. Product reproduced from digital image. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A01

Dual Use Telemedicine Support System for Pathology
This research concerns building and using a new workstation that integrates lensless, low-resolution **images** of an entire **specimen** of human **tissue** with lensed, high-resolution **images** of selected regions within the specimen. Two workstations were built in FY95 and are currently on field trial at the Mayo Clinic Scottsdale and Luke Air Force Base (two **pathologists** each). Their study is double blind and will produce diagnostic reliability data on the workstation...

...Systems Corp. for delivery in FY 1997. Related research on improving the resolution of lensless **microscopy** funded by the NSF has been so successful that we are now recommending rebudgeting so...

... demonstration project done in Washington in preference to San Antonio. Finally this report reviews digital **image** databases for **pathology** and current hospital information systems. (Our FY 1995 Annual Report reviewed **Pathology** Information Systems.)....
Descriptors: *Television systems; *Diagnosis(Medicine); *Computer aided diagnosis; * **Microscopes** ; * **Video signals** ; *Surgical instruments; Optical equipment; Tissues(Biology); Information systems; Demonstrations; Field tests; High resolution; **Images** ; Work stations; Human body; Air force facilities; **Pathology** ; Hospitals; Dual mode; Low resolution; Lenses; Parapsychology; **Pathologists**

29/3,K/3 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04159861 E.I. No: EIP95022547688
Title: Quick large-piece diagnostic electron microscopy **processing**
Author: Valdivieso, Teresa P.; Valaitis, Jonas
Corporate Source: Lutheran General Hospital, Park Ridge, IL, USA
Conference Title: Proceedings of the 52nd Annual Meeting of the Microscopy Society of America
Conference Location: New Orleans, LA, USA Conference Date: 19940731-19940805
E.I. Conference No.: 42311
Source: Proceedings - Annual Meeting, Microscopy Society of America 1994.. p 316-317
Publication Year: 1994
CODEN: PMSAE5
Language: English

Title: Quick large-piece diagnostic electron microscopy **processing**
Abstract: The standard procedure in the submission of tissue for transmission electron **microscopy** examination has been modified. This new

method allows the processing of larger and thinner pieces...

...24 hrs. By processing larger pieces a more comprehensive screening can be done by the **pathologist** , insuring a more appropriate specimen sampling. 2 Refs.
Descriptors: ***Tissue** ; Transmission electron **microscopy** ; **Specimen** preparation; **Photographic** films; Dehydration; Epoxy resins; Polymerization; Biopolymers

29/3,K/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

08143038 Genuine Article#: 251QB No. References: 24
Title: Application of laser scanning confocal microscopy **in the analysis of particle-induced pulmonary fibrosis**
Author(s): Antonini JM (REPRINT) ; Charron TG; Roberts JR; Lai J; Blake TL; Rogers RA
Corporate Source: NIOSH,HLTH EFFECTS LAB DIV, 1095 WILLOWDALE RD MS 2015/MORGANTOWN//WV/26505 (REPRINT); HARVARD SCH PUBL HLTH,/BOSTON//MA/02115
Journal: TOXICOLOGICAL SCIENCES, 1999, V51, N1 (SEP), P126-134
ISSN: 1096-6080 Publication date: 19990900
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Application of laser scanning confocal microscopy **in the analysis of particle-induced pulmonary fibrosis**
Abstract: Laser scanning confocal **microscopy** (LSCM) allows us to simultaneously quantitate the degree of lung fibrosis and distinguish various **pathological** lesions of intact lung tissue. Lucifer Yellow has been shown an ideal fluorescent stain to...

...tissue area were observed between the Fe2O3 and control groups. LSCM, and its associated advanced **image** analysis and three-dimensional capabilities, is an alternative method to both quickly quantitate and examine fibrotic lung disease without physical disruption of the **tissue specimen** .

29/3,K/5 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01319422 ORDER NO: AAD13-52362
USER INTERFACE SOFTWARE AND EMULATION OF MICROSCOPE **FOR A REAL-TIME TELEPATHOLOGY SYSTEM USING AN X-WINDOW ENVIRONMENT**
Author: GHOLIKHAMSEH, ALIREZA BIZHAN
Degree: M.S.
Year: 1993
Corporate Source/Institution: THE UNIVERSITY OF ARIZONA (0009)
Source: VOLUME 31/04 of MASTERS ABSTRACTS.
PAGE 1881. 114 PAGES

USER INTERFACE SOFTWARE AND EMULATION OF MICROSCOPE **FOR A REAL-TIME TELEPATHOLOGY SYSTEM USING AN X-WINDOW ENVIRONMENT**

...in the field of medical imaging. A Telepathology System (TPS) is one such application, allowing **pathologist** access to **microscopy** and patient files at remote workstations, through a communications network coupled with a **pathologist** viewing workstation. This thesis outlines the development of a user interface **pathology** workstation. It models **microscope** emulation in place of actual remote site **microscopy** by utilizing previously recorded **specimen slide images** . In addition, it models a communication network, and a remote site WS. User scenarios and...
...providing two way communications between remote sites, access to patient demographic files and prior specimen **images** for comperative study, and the benefit of long distance consultation. Finally, a discussion of an...

29/3,K/6 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

02061114 JICST ACCESSION NUMBER: 94A0316415 FILE SEGMENT: JICST-E
A Case of Fibromatosis of the Breast.
FUJIMOTO KOJI (1); NISHIMURA SATORU (1); MATSUSUE SATORU (1)
(1) Tenriyorozusodanshobyoin
J Med Ultrason, 1994, VOL.21,NO.3, PAGE.165-168, FIG.6, TBL.1, REF.10
JOURNAL NUMBER: Z0578AAP ISSN NO: 0287-0592
UNIVERSAL DECIMAL CLASSIFICATION: 616-006-07 616-006-071
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

...ABSTRACT: blood flow. We suspected fibroadenoma and performed an excisional biopsy of the mass. A gross **pathological** examination showed a 2cm firm, off-white **specimen** of fibroadipose **tissue** , **Microscopic** sections showed spindle cells surrounded by collagen bundles. The spindle cells had infiltrated the normal...
...BROADER DESCRIPTORS: **image** technology

29/3,K/7 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

14302460 PASCAL No.: 99-0509285
Radiologically-determined diameter, pathologic **diameter, and reactive zone surrounding pulmonary neoplasms : Implications for transthoracic fine-needle aspiration of pulmonary neoplasms**
LAYFIELD L J; LIU K; ERASMUS J J
Department of Pathology, University of Utah, Salt Lake City, Utah, United States; Department of Pathology, Duke University Medical Center, Durham, North Carolina, United States; Department of Radiology, Duke University Medical Center, Durham, North Carolina, United States
Journal: Diagnostic cytopathology, 1999, 21 (4) 250-252
Language: English

Radiologically-determined diameter, pathologic **diameter, and reactive zone surrounding pulmonary neoplasms : Implications for transthoracic fine-needle aspiration of pulmonary**...

To determine the relationship between radiologically determined tumor diameter and true **pathologic** tumor diameter and correlate radiologically determined diameter with the size of reactive zone surrounding pulmonary neoplasms, radiographs and surgical **pathology** specimens were obtained from 57 patients with pulmonary neoplasms. The tumor size on plane films and CT-scans was measured, as was the size of the neoplasm on gross **specimen** and surgical **pathology slide** . The width of the reactive zone was also measured on H&E stained **microscopic** slides. These findings were correlated along the **histopathologic** type of neoplasm present. On average, the reactive zone represented approximately 11% of the overall...

English Descriptors: Carcinoma; Bronchopulmonary; Reaction; Inflammation; Periphery; Diameter; Measurement; Computerized axial tomography; Radiography; Aspiration punction; **Pathology** ; Cytopathology; Fine needle ; Comparative study; Human; Fine needle aspiration biopsy
Broad Descriptors: Respiratory disease; Lung disease; Bronchus disease; Malignant tumor; Radiodiagnosis; Medical **imagery** ; Appareil respiratoire **pathologie** ; Poumon **pathologie** ; Bronche **pathologie** ; Tumeur maligne; Radiodiagnostic; Imagerie medicale; Aparato respiratorio patologia; Pulmon patologia; Bronquio patologia; Tumor maligno; Radiodiagnostico...

29/3,K/8 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

13515041 PASCAL No.: 98-0213875
FTIR microspectroscopy of tissues for in vivo and in vitro cancer diagnostics
Optical biopsies and microscopic **techniques II : San Remo, 5-8 September 1997**
WAESCHE W; BINDIG U; MUELLER G; FREGE P; GROSS U M
BIGIO Irving J, ed; SCHNECKENBURGER herbert, ed; SLAVIK Jan, ed; SVANBERG Katarina, ed; VIALLET Pierre M, ed
Laser-und Medizin-Technologie gGmbH, 12207 Berlin, Germany; Univ.-Hosp. Benjamin Franklin, Dept. of Medical/Technical Physics and Laser Medicine, Freie Universitaet. Berlin, 12203 Berlin, Germany; Univ.-Hosp. Benjamin Franklin, Dept. of Pathology, Freie Universitaet Berlin, Germany
International Society for Optical Engineering, Bellingham WA, United States.
Optical biopsies and microscopic techniques. Conference, 2 (San Remo ITA) 1997-09-05
Journal: SPIE proceedings series, 1997, 3197 86-92
Language: English

Optical biopsies and microscopic **techniques II : San Remo, 5-8 September 1997**
... wavenumbers were compared with parallel cut and HE stained cryosections which were judged by a **pathologist** . The method is based on differences in IR-spectra of tissues which have been already...

... transmission, attenuated total reflection and spatial reflectance infrared spectroscopy. IR-maps of healthy and tumor **tissue specimen** are presented and discussed. Different modes of spectra acquisition (transmission, ATR, diffuse reflectance) are compared...

English Descriptors: Infrared spectrometry; Fourier transformation;

Technique; Medical **imagery** ; Characterization; Malignant tumor; Human; **Pathology** ; In vivo; In vitro; Differential diagnostic; Optical method; Biopsy

29/3,K/9 (Item 3 from file: 144)
DIALOG(R)File 144:Pascal

13099910 PASCAL No.: 97-0397170
Prolyl 4-hydroxylase inhibitor (HOE 077) inhibits pig serum-induced rat liver fibrosis by preventing stellate cell activation
MATSUMURA Y; SAKAIDA I; UCHIDA K; KIMURA T; ISHIHARA T; OKITA K
First Department of Internal Medicine, Yamaguchi University, School of Medicine, Japan; First Department of Pathology, Yamaguchi University, School of Medicine, Japan
Journal: Journal of hepatology, 1997, 27 (1) 185-192
Language: English

... used were HE, azan and a stain for alpha -smooth muscle actin (alpha -SMA). Electron **microscopy** was also performed. Messenger RNA expressions of type I and III procollagen were examined by...

... SMA positive cells and fibers with azan staining were assessed as percent area of the **tissue specimen** , using an **image** analysis system. Results: Rats that received pig serum for 10 weeks showed an increased liver...
...of alpha -SMA positive cells (2.94 +- 2.14 vs 1.17 +- 0.88%). Electron **microscopy** revealed that 200 ppm of HOE 077 prevented the loss of fat droplets. Conclusions: A...
Broad Descriptors: Rodentia; Mammalia; Vertebrata; Digestive diseases; Hepatic disease; Rodentia; Mammalia; Vertebrata; Appareil digestif **pathologie** ; Foie **pathologie** ; Rodentia; Mammalia; Vertebrata; Aparato digestivo patologia; Higado patologia

29/3,K/10 (Item 4 from file: 144)
DIALOG(R)File 144:Pascal

12678985 PASCAL No.: 96-0379612
Simultaneous assessment of bioprosthetic heart valve biomechanical properties and collagen crimp length
HILBERT S L; SWORD L C; BATCHELDER K F; BARRICK M K; FERRANS V J
Office of Science and Technology, Center for Devices and Radiological Health, Food and Drug Administration, Rockville, Maryland 20852, United States
Journal: Journal of biomedical materials research, 1996, 31 (4) 503-509
Language: English

... crimp length and the assessment of biomechanical properties. This method utilizes the simultaneous real-time **video** recording of collagen crimp morphology and acquisition of crimp length data through the combination of polarized light **microscopy** and morphometry. We felt that the development of this method was warranted, due to the...

... the design and fabrication of a uniaxial microtensile stage, suitable for mounting on a standard **microscope** stage. The validation of our test method was accomplished by a comparison of untreated and...

... described in this communication enables the collection of morphologic and biomechanical data from a single **tissue specimen** , eliminating the need for independent studies of multiple specimens. Furthermore, this method obviates the need...

...English Descriptors: Surgical implantation; Prosthesis; Animal origin; Pig; Crimping; Collagen; Biomaterial; Biomechanics; Strain rate; Real time processing; **Video** recording; Morphological analysis; Test validation; Glutaraldehyde tanning; Aortic valve; **Image** analysis

...French Descriptors: chirurgicale; Prothese; Origine animale; Porc; Sertissage; Collagene; Biomateriau; Biomecanique; Vitesse deformation; Traitement temps reel; Enregistrement **video** ; Analyse morphologique; Validation test; Tannage glutaraldehyde; Valvule aortique; Analyse **image**

...Spanish Descriptors: quirurgica; Protesis; Origen animal; Cerdo; Engarce ; Colageno; Biomaterial; Biomecanica; Velocidad deformacion; Tratamiento tiempo real; Registro **video** ; Analisis morfologico; Validacion prueba; Curtido glutaraldehido; Valvula aortica; Analisis **imagen**
...Broad Descriptors: processing; Artiodactyla; Ungulata; Mammalia; Vertebrata; Cardiovascular disease; Informatique biomedicale; Artiodactyla; Ungulata; Mammalia; Vertebrata; Appareil circulatoire **pathologie** ; Informatica biomedical; Artiodactyla; Ungulata; Mammalia; Vertebrata; Aparato circulatorio patologia

29/3,K/11 (Item 5 from file: 144)
DIALOG(R)File 144:Pascal

12409571 PASCAL No.: 96-0062684
Tissue characterization of arteries with 4 MHz ultrasound
TOBOCMAN W; KUMARI SANTOSH; CARTER J R; HAACKE E M
Case Western Reserve univ., dep. physics, Cleveland OH 44106, USA
Journal: Ultrasonics, 1995, 33 (4) 331-339
Language: English

...recovered high-resolution acoustic impedance profile for each site was correlated with an analysis (by **microscope**) of sections taken from that site. The shape of the impedance profile was found to be sensitive to the **pathology** of the tissue at each site. The severity of the various conditions could be gauged...

... were done on aorta specimens that were shielded from the ultrasound transducer by a human **tissue specimen** about 1.25 cm thick in order to study the effects of intervening tissue. We...

French Descriptors: Artere; Onde plane; Methode element frontiere; Transducteur; Tissu; Ultrason; Formation **image** ultrason; Probleme inverse; Diffusion onde; Methode non invasive; Exploration ultrason; Haute resolution; Mammalia

Spanish Descriptors: Arteria; Onda plana; Metodo elemento frontera;

Transductor; Tejido; Ultrasonido; Formacion **imagen** ultrasonico; Problema inverso; Difusion onda; Metodo no invasivo; Exploracion ultrasonido; Alta resolucion; Mammalia

?

```
? SHOW FILES; DS; SAVE TEMP; LOGOFF HOLD
File 344:Chinese Patents Abs Aug 1985-2005/May
         (c) 2005 European Patent Office
File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200559
         (c) 2005  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1    2164525   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
             EO OR PHOTOGRAPH??)
S2      13077   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3      31992   S1(7N)(DIAGNO? OR ANALY?)
S4        585   TISSUE(3N)SPECIMEN
S5        383   SPECIMEN(3N)SLIDE?
S6      64256   MICROSCOP?
S7        160   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8      41864   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
             INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
             MODIF?  OR CHANG?)
S9        787   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
             OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10       389   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
             NFORTI, I? OR KONFORTI I?)
S11    208094   IC=G06K?
S12         6   S10 AND S11
S13       213   S2 AND S3
S14         4   S13 AND S4
S15         3   S14 NOT S12
S16         6   S13 AND S5
S17         5   S16 NOT (S15 OR S12)
S18         0   S13 AND S7
S19         8   S13 AND S8
S20         8   S19 NOT (S17 OR S15 OR S12)
S21         1   S13 AND S9
S22         0   S21 NOT (S20 OR S17 OR S15 OR S12)
```

12/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

017188507 **Image available**
WPI Acc No: 2005-512137/200552
Related WPI Acc No: 2004-304097
XRPX Acc No: N05-417967

Candidate selection system e.g. for jury selection process, compares potential candidate information and statistical data and selects candidate from group of potential candidates, based on comparison

Patent Assignee: LEVIN F (LEVI-I); LEVIN M (LEVI-I); LINCKE S (LINC-I)
Inventor: LEVIN F; **LEVIN M** ; LINCKE S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20050149567	A1	20050707	US 2002410005	P	20020912	200552	B
			US 2002263821	A	20021004		
			US 2004980814	A	20041104		

Priority Applications (No Type Date): US 2002410005 P 20020912; US 2002263821 A 20021004; US 2004980814 A 20041104
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050149567	A1		72	G06K-009/00	Provisional application US 2002410005
					CIP of application US 2002263821

...Inventor: **LEVIN M**
International Patent Class (Main): **G06K-009/00**

12/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014604603 **Image available**
WPI Acc No: 2002-425307/200245
XRPX Acc No: N02-334437

Computerized medical decision support system uses computer program product that provides data derived from examination of digital images of tissue specimen according to criteria for histopathological analysis

Patent Assignee: HAGLER J (HAGL-I); KONFORTI I (KONF-I); LEVIN M (LEVI-I)
Inventor: **HAGLER J** ; **KONFORTI I** ; **LEVIN M**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020039434	A1	20020404	US 2001935135	A	20010821	200245	B

Priority Applications (No Type Date): IL 138123 A 20000828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020039434	A1		15	G06K-009/00	

Inventor: **HAGLER J** ...

... **KONFORTI I** ...
... **LEVIN M**
International Patent Class (Main): **G06K-009/00**
International Patent Class (Additional): **G06K-009/03** ...

... **G06K-009/32**

12/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014141635 **Image available**
WPI Acc No: 2001-625846/200172
XRPX Acc No: N01-466536
Multi user interactive image navigation system for virtual reality in internet, has server to form virtual video image for each user, using real time video images in accordance with navigational command from user
Patent Assignee: MORDECHAL I (MORD-I); MOSHE L (MOSH-I); BEN MORDECHAI I (MORD-I); INNOVUE INC (INNO-N); LEVIN M (LEVI-I)
Inventor: MORDECHAL I; MOSHE L; BEN MORDECHAI I; **LEVIN M**
Number of Countries: 023 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200165854	A1	20010907	WO 2001US6248	A	20010228	200172 B
US 20030132939	A1	20030717	WO 2001US6248	A	20010228	200348
			US 2002220609	A	20021227	

Priority Applications (No Type Date): US 2000186302 P 20000301; US 2002220609 A 20021227
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200165854	A1	E	14	H04N-007/18	

Designated States (National): CA IL JP US
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
US 20030132939 A1 G06T-015/70

...Inventor: **LEVIN M**
International Patent Class (Additional): **G06K-009/00** ...

... **G06K-009/36**

12/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012766212 **Image available**
WPI Acc No: 1999-572340/199948
Related WPI Acc No: 1995-067397; 1996-354719; 1997-065593; 1997-154373; 1997-213137; 1997-213154; 1997-298318; 1997-319959; 1998-018744; 1998-145774; 1998-323036; 1998-323039; 1998-348733; 1998-467781; 1998-542230; 1998-595176; 1999-070846; 1999-070860; 1999-347539; 1999-494121; 2000-205298; 2000-329018; 2000-387278; 2000-421291; 2000-666768; 2001-031774; 2001-060485; 2001-102211; 2001-139639; 2001-399606; 2001-482586; 2001-541454; 2001-607058; 2002-096401; 2002-215415; 2002-507156; 2002-520248; 2002-556159; 2003-038254; 2003-174547; 2003-429130; 2003-754499; 2003-800726; 2004-223978; 2004-266802; 2004-345167; 2004-623685; 2004-640736; 2004-707650; 2005-019851; 2005-121095; 2005-149753; 2005-260373; 2005-294665; 2005-552609
XRPX Acc No: N99-421763

Computer force feedback interface system

Patent Assignee: IMMERSION CORP (IMME-N); BRAUN A C (BRAU-I); LEVIN M D (LEVI-I); MARTIN K M (MART-I); ROSENBERG L B (ROSE-I); SCHENA B M (SCHE-I)

Inventor: ROSENBERG L B; SCHENA B M; BRAUN A C; **LEVIN M D** ; MARTIN K M

Number of Countries: 024 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9949443	A2	19990930	WO 99US6510	A	19990324	199948 B
AU 9932042	A	19991018	AU 9932042	A	19990324	200009
US 6128006	A	20001003	US 9849155	A	19980326	200050
US 6154201	A	20001128	US 96756745	A	19961126	200063
			US 9849155	A	19980326	
			US 9887022	A	19980529	
			US 98179382	A	19981026	
EP 1066616	A2	20010110	EP 99914135	A	19990324	200103
			WO 99US6510	A	19990324	
CA 2291226	C	20021022	CA 2291226	A	19990324	200279
			WO 99US6510	A	19990324	
AU 762226	B	20030619	AU 9932042	A	19990324	200351
US 6686911	B1	20040203	US 96756745	A	19961126	200413
			US 9849155	A	19980326	
			US 9887022	A	19980529	
			US 98179382	A	19981026	
			US 2000680408	A	20001002	
US 20040100440	A1	20040527	US 96756745	A	19961126	200435
			US 9849155	A	19980326	
			US 9887022	A	19980529	
			US 98179382	A	19981026	
			US 2000680408	A	20001002	
			US 2003712199	A	20031113	

Priority Applications (No Type Date): US 98179382 A 19981026; US 9849155 A 19980326; US 96756745 A 19961126; US 9887022 A 19980529; US 2000680408 A 20001002; US 2003712199 A 20031113

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9949443	A2	E	80	G09G-000/00	
Designated States (National): AU CA CN JP					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
AU 9932042	A			G06F-003/03	Based on patent WO 9949443
US 6128006	A			G09G-005/08	
US 6154201	A			G09G-005/00	Div ex application US 96756745 CIP of application US 9849155 CIP of application US 9887022 Div ex patent US 5825308
EP 1066616	A2	E		G09G-001/00	Based on patent WO 9949443
Designated States (Regional): AT BE CH CY DE DK ES FR GB GR IE IT LI NL PT SE					
CA 2291226	C	E		G06F-003/03	Based on patent WO 9949443
AU 762226	B			G06F-003/03	Previous Publ. patent AU 9932042 Based on patent WO 9949443
US 6686911	B1			G09G-005/00	Div ex application US 96756745 CIP of application US 9849155 CIP of application US 9887022 Cont of application US 98179382 Div ex patent US 5825308 CIP of patent US 6061004

		CIP of patent US 6128006
		Cont of patent US 6154201
US 20040100440 A1	G09G-005/00	Div ex application US 96756745
		CIP of application US 9849155
		CIP of application US 9887022
		Cont of application US 98179382
		Cont of application US 2000680408
		Div ex patent US 5825308
		CIP of patent US 6061004
		CIP of patent US 6128006
		Cont of patent US 6154201
		Cont of patent US 6686911

...Inventor: **LEVIN M D**
...International Patent Class (Additional): **G06K-011/18**

12/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

011776379 **Image available**
WPI Acc No: 1998-193289/199817
XRPX Acc No: N98-152996

Force feedback interface mechanism for computer systems - in which gimbal mechanism provides degrees of freedom to user manipulatable object about remote pivot pin

Patent Assignee: BEVIRT J (BEVI-I); LEVIN M D (LEVI-I); MOORE D F (MOOR-I); NORWOOD J Q (NORW-I); ROSENBERG L B (ROSE-I); IMMERSION CORP (IMME-N); IMMERSION HUMAN INTERFACE CORP (IMME-N)
Inventor: BEVIRT J; **LEVIN M D** ; MOORE D F; NORWOOD J Q; ROSENBERG L B
Number of Countries: 020 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9809580	A1	19980312	WO 97US15656	A	19970904	199817 B
US 6024576	A	20000215	US 96709012	A	19960906	200016
US 6705871	B1	20040316	US 96709012	A	19960906	200420
			US 99448536	A	19991122	
US 20040183777	A1	20040923	US 96709012	A	19960906	200463
			US 99448536	A	19991122	
			US 2004797155	A	20040311	

Priority Applications (No Type Date): US 96709012 A 19960906; US 99448536 A 19991122; US 2004797155 A 20040311
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9809580	A1	E	50	A61B-019/00	
Designated States (National): CA JP					
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
US 6024576	A			G09B-023/28	
US 6705871	B1			G09B-023/28	Cont of application US 96709012
					Cont of patent US 6024576
US 20040183777	A1			G09G-005/00	Cont of application US 96709012
					Cont of application US 99448536
					Cont of patent US 6024576
					Cont of patent US 6705871

...Inventor: **LEVIN M D**
...International Patent Class (Additional): **G06K-011/18**

12/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001919655
WPI Acc No: 1978-E8908A/197825
Image recognition device with binary field output - has scanned field transmitted digitally to counters handling recognition data
Patent Assignee: GEOMETRIC DATA CORP (GEOM-N)
Inventor: **LEVIN M S** ; MILLER M N
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
SU 568399	A	19770707				197825	B
HU 12119	T	19760828				197637	

Priority Applications (No Type Date): HU 72GE915 A 19720703

Inventor: **LEVIN M S** ...
...International Patent Class (Additional): **G06K-009/12**
?

15/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016375897
WPI Acc No: 2004-533804/200451
XRAM Acc No: C04-196300
XRPX Acc No: N04-422783

Diagnosing colorectal cancer, involves providing liquid sample obtained from individual, contacting sample with specific binding agent for nicotinamide N-methyltransferase for formation of complex, to diagnose colorectal cancer

Patent Assignee: HOFFMANN LA ROCHE & CO AG F (HOFF); ROCHE DIAGNOSTICS GMBH (HOFF)
Inventor: BERNDT P; HAGMANN M; LANGEN H; PALME S; ROESSLER M; ROLLINGER W; TACKE M; ZOLG W
Number of Countries: 107 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200457336	A2	20040708	WO 2003EP14583	A	20031219	200451 B
AU 2003296684	A1	20040714	AU 2003296684	A	20031219	200474

Priority Applications (No Type Date): EP 200228715 A 20021220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200457336	A2	E	28	G01N-033/574	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003296684 A1 G01N-033/574 Based on patent WO 200457336

Extension Abstract:

... cancer, analysis of three different kinds of tissue using proteomics methods was performed. In total, **tissue specimen** from 10 patients suffering from colorectal cancer were analyzed. From each patient three different tissue...

...snap frozen after resection and stored at -80 degreesC before processing. Tumors were diagnosed by **histopathological** criteria. Frozen tissue (0.8-1.2 g) were put into a mortar and completely...

...at -80 degreesC or directly used for sodium dodecyl sulfate (SDS)-PAGE. Each patient was **analyzed** separately by **image analysis** . In addition, all spots of the gel were excised by a picking robot and the ...

15/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016292059 **Image available**
WPI Acc No: 2004-449954/200442
XRPX Acc No: N04-356095

Mitotic activity measurement method for histopathological **specimen data, involves incrementing mitotic figures from located pixels by adding pixels, and counting selected grown image regions on basis of thresholds**

Patent Assignee: QINETIQ LTD (QINE-N)
Inventor: CIPOLLA R; DUCKSBURY P G; GUITTET C M; KESIDIS A; PETROU M; VARGA M J
Number of Countries: 107 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200447004	A2	20040603	WO 2003GB4916	A	20031113	200442	B
AU 2003302054	A1	20040615	AU 2003302054	A	20031113	200470	

Priority Applications (No Type Date): GB 200226787 A 20021118
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200447004	A2	E	44	G06K-009/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003302054	A1		G06K-009/00	Based on patent WO 200447004

Mitotic activity measurement method for histopathological **specimen data, involves incrementing mitotic figures from located pixels by adding pixels, and counting selected...**

Abstract (Basic):
... a) a computer program for measuring mitotic activity from **histopathological** specimen image data...

...b) a computer apparatus for measuring mitotic activity from **histopathological** specimen image data...

...Used for measurement of mitotic activity from **histopathological tissue specimen** (claimed) e.g. breast cancer tissue, colon tissue and cervical tissue **image** data for use in **pathologist diagnosis** and patient treatment...

...The method avoids the need for manual procedure which involves a **pathologist** to subjectively and separately estimates unusual color, size shape and boundary of cells in a...

15/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009873893 **Image available**
WPI Acc No: 1994-153806/199419
XRAM Acc No: C94-070482
XRPX Acc No: N94-120791
Pathological **image inspection support device for images obtd. by optical microscope - includes lesions detecting device, device for analysing characteristic quantity of cell nucleus, and device for**

measuring characteristics
Patent Assignee: SUMITOMO CHEM CO LTD (SUMO); SUMITOMO METAL IND LTD (SUMQ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 6094706	A	19940408	JP 92269373	A	19920910	199419	B

Priority Applications (No Type Date): JP 92269373 A 19920910
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6094706	A		6	G01N-033/48	

Pathological **image inspection support device for images obtd. by optical microscope...**

...Abstract (Basic): USE/ADVANTAGE - Used to supply information of supporting **pathological** morphogenetic inspection based on human or various animals **pathological** images obtd. through optical microscope. With conventional image processors, unless a user has a certain degree of **pathological** knowledge, it is difficult to obtain information necessary for **pathological** inspection...

...The **pathological** tissue images of a **tissue specimen** (S) observed by an optical microscope (1) is photographed by an ITV camera (2). The ...

...camera are input in an image processor (3) having image processing algorithm to process the **pathological** tissue images. With the **image** processor (3), are connected a **pathological image analysis** workstation (7) and a support information output device (8) in this order. The **pathological image analysis** workstation (7) includes an **image** filing part (71), a **pathological** lesion detecting part (72) to extract the nucleus of the specified cells and analyse the...

...a special staining positive region extraction/measuring part (73). Thus, to the unskilled persons in **pathology** , the support information can be easily obtd...
Title Terms: **PATHOLOGICAL** ;
?

17/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015498813 **Image available**
WPI Acc No: 2003-560960/200353
XRPX Acc No: N03-445878
Image **acquisition method for digital microscope used for** diagnostic pathology , **involves capturing** images **using camera while motorized stage is moving to create image tiles with predetermined overlap between adjacent tiles**
Patent Assignee: FAIRFIELD IMAGING LTD (FAIR-N); CLINCH N F (CLIN-I); MADDISON J R (MADD-I)
Inventor: CLINCH N F; MADDISON J R
Number of Countries: 031 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2383487	A	20030625	GB 200130206	A	20011218	200353 B
EP 1324097	A2	20030702	EP 2002258685	A	20021217	200353
US 20040119817	A1	20040624	US 2002322856	A	20021218	200445 N

Priority Applications (No Type Date): GB 200130206 A 20011218; US 2002322856 A 20021218
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2383487	A		23	G02B-021/36	
EP 1324097	A2	E		G02B-021/34	
				Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR	
US 20040119817	A1		11	H04N-007/18	

Image **acquisition method for digital microscope used for** diagnostic pathology , **involves capturing** images **using camera while motorized stage is moving to create image tiles with predetermined overlap between** ...

Abstract (Basic):
... Method involves moving motorized stage (5) with **slide** (7) and **specimen** beneath imaging system while capturing images using camera (25) while stage is moving to create...
... For use with a digital microscope system used in, e.g. diagnostic **pathology** , for imaging specimens larger than the microscope's field of view...
...Title Terms: **PATHOLOGICAL** ;

17/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013011386 **Image available**
WPI Acc No: 2000-183238/200016
XRAM Acc No: C00-057587
XRPX Acc No: N00-135089
Automatic analysis and diagnosis of diseased cells and tissue using multispectral topographic system including image **transmitter, imaging spectroscopic subsystem, and processor providing** diagnostic **data**
Patent Assignee: CEDARS SINAI MEDICAL CENT (CEDA-N)

Inventor: LERNER J M; VARI S G
Number of Countries: 084 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200006980	A1	20000210	WO 99US17004	A	19990727	200016	B
AU 9952352	A	20000221	AU 9952352	A	19990727	200029	
EP 1101083	A1	20010523	EP 99937539	A	19990727	200130	
			WO 99US17004	A	19990727		
JP 2002521685	W	20020716	WO 99US17004	A	19990727	200261	
			JP 2000562725	A	19990727		

Priority Applications (No Type Date): US 98122876 A 19980727
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200006980	A1	E	47	G01J-003/28	
	Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW				
	Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW				
AU 9952352	A			G01J-003/28	Based on patent WO 200006980
EP 1101083	A1	E		G01J-003/28	Based on patent WO 200006980
	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
JP 2002521685	W		60	G01N-021/27	Based on patent WO 200006980

Automatic analysis and diagnosis of diseased cells and tissue using multispectral topographic system including image **transmitter, imaging spectroscopic subsystem, and processor providing** diagnostic **data**

Abstract (Basic):
... by internal filters and is absorbed by specimen (18) which has been prepared on a **slide** . The **specimen** re-emits light of a lower energy level and of varying intensities across the specimen...
...g. to determine the presence of malignancies. The matter to be analyzed may be a **pathological** specimen, or in vivo, in which case the image is transmitted by an endoscope...

17/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013009949
WPI Acc No: 2000-181801/200016
Related WPI Acc No: 1997-213060
XRAM Acc No: C00-056725
XRPX Acc No: N00-134203
Predicting prostate cancer occurrence and progression comprises statistical analysis of nuclear morphometric descriptors of prostate cells
Patent Assignee: CYTODIAGNOSTICS INC (CYTO-N); UNIV JOHNS HOPKINS (UYJO); UNIV TULSA (UYTU-N)
Inventor: ASHENAYI K; BACUS M P; COFFEY D P; EPSTEIN J I; MILLER M C; PARTIN A W; VELTRI R W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

US 6025128 A 20000215 US 94315210 A 19940929 200016 B

Priority Applications (No Type Date): US 94315210 A 19940929
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 6025128 A 89 G01N-033/574
Abstract (Basic):
Technology Focus:
... Further analysis includes determining univariately significant patient derived **pathology** and clinical information variables that contribute to a multivariate model solution and predicting the probability...

...patient by further statistical analysis of the quantitative nuclear grade and univariately significant patient derived **pathology** and clinical information variables, which are post operative Gleason score, serum prostate specific antigen (PSA...
Extension Abstract:
... using the Cell Measurement Program v3.0 (CMP v3.0) software from a CAS-200 **Image Analysis** System. A study was set up in CMP v3.0 using the QDA morphology mode...

...The optical system was calibrated using the CAS calibration slides that were stained with the **specimen slides** . At least 20 calibration cells were measured with a calibration peak coefficient of variation of less than 2%. Then, at least 125 cancer cells were **analyzed** and the cell nuclear **images** captured from each 5 micron Feulgen stained tissue section with all of the Sum O...

17/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012437647 **Image available**
WPI Acc No: 1999-243755/199920
XRPX Acc No: N99-181368
Digital imaging system for enabling person at remote site to observe and analyze images
Patent Assignee: BELLSOUTH CORP (BELL-N); BELLSOUTH INTELLECTUAL PROPERTY CORP (BELL-N)
Inventor: FLEMING N W; GRIMES G J; MCCLELLAN S A
Number of Countries: 081 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
WO 9913360 A2 19990318 WO 98US18852 A 19980909 199920 B
AU 9894767 A 19990329 AU 9894767 A 19980909 199932

Priority Applications (No Type Date): US 97926903 A 19970910; US 97926795 A 19970910
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9913360 A2 E 33 G02B-000/00
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9894767 A G02B-000/00 Based on patent WO 9913360

Digital imaging system for enabling person at remote site to observe and analyze images

Abstract (Basic):
... other clinician will prepare slides of frozen sample or other tissue specimens and position the **specimen slides** on microscope station (30). A **pathologist** or other clinician at the local site of client system (14) remotely controls the operation...

...systems. In particular, the present invention is a remotely controlled microscope imaging system for tele- **pathology** having programmed bandwidth optimization and virtual focus control functions...

...The invention provides improved remotely controlled imaging systems with bandwidth prioritization systems for tele- **pathology** and other remotely controlled imaging systems. An operator can obtain images at a number of...

...must be cost-effective and enable timely, high-quality healthcare delivery. The imaging system provides **diagnostic** -quality **images** while enables real-time **image** selection control. The system may also make efficient utilization of communication channel and computational resources...

...The drawing shows a tele- **pathology** system, which includes bandwidth optimization and virtual focus system...

17/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009989039 **Image available**
WPI Acc No: 1994-256750/199432
XRPX Acc No: N94-202329
Obtaining edge mask from image of slide **-mounted** specimen **for morphometry and densitometry - using preferential enhancement values determined from magnification and specimen characteristics to accentuate dark object features**
Patent Assignee: CEDARS SINAI MEDICAL CENTER (CEDA-N); CEDARS SINAI MEDICAL CENT (CEDA-N)
Inventor: ERLER B S; MARCHEVSKY A M
Number of Countries: 018 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 610916	A2	19940817	EP 94101985	A	19940209	199432	B
EP 610916	A3	19941012	EP 94101985	A	19940209	199533	
US 5687251	A	19971111	US 9315546	A	19930209	199751	
			US 95391633	A	19950221		

Priority Applications (No Type Date): US 9315546 A 19930209; US 95391633 A 19950221
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 610916	A2	E	17	G06F-015/68	

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

US 5687251 A 14 G06K-009/00 Cont of application US 9315546
EP 610916 A3 G06F-015/68

Obtaining edge mask from image of slide **-mounted** specimen **for morphometry and densitometry...**

...Abstract (Basic): USE/ADVANTAGE - E.g. for morphometric and densitometric **image analysis** for evaluating subtle histological and cytological features for diagnosis and prognosis, e.g. for nerve...

...carcinoma of prostrate and breast. Provides more accurate shape and density measurement and analysis for **pathology** .

...Abstract (Equivalent): A method for providing an edge mask from a specimen image, obtained from a **specimen** on a **slide** that is magnified at a predetermined magnification value and has predetermined characteristics, comprising the steps...

?

20/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06503030 **Image available**
METHOD FOR COLOR **IMAGE** LUMINANCE GRADATION CONVERSION FOR **PATHOLOGICAL DIAGNOSIS**

PUB. NO.: 2000-088746 [JP 2000088746 A]
PUBLISHED: March 31, 2000 (20000331)
INVENTOR(s): KATO MAKOTO
APPLICANT(s): HAMAMATSU PHOTONICS KK
APPL. NO.: 10-256759 [JP 98256759]
FILED: September 10, 1998 (19980910)

METHOD FOR COLOR **IMAGE** LUMINANCE GRADATION CONVERSION FOR **PATHOLOGICAL DIAGNOSIS**

ABSTRACT

PROBLEM TO BE SOLVED: To change the luminance gradation of a color **image** for **pathological diagnosis** so that improved and uniform **brightness** can be obtained constantly without **changing** the tonality of an image being displayed on a monitor when observing the color **image** for **pathological diagnosis** that is picked up by a CCD camera on a display.
SOLUTION: A sample on...

... the image reaches the maximum brightness value of a display device 9 when the color **image** for **pathological diagnosis** outputted from the CCD camera 4 is inputted to the display device 9.

20/3,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

017210206
WPI Acc No: 2005-533823/200554
XRAM Acc No: C05-161765
Apparatus for radiation based imaging of a non-homogenous target area having distinguishable regions, comprises an imaging unit to obtain radiation intensity data; and an image **four-dimension** analysis **unit to** analyse **the obtained data**
Patent Assignee: V-TARGET TECHNOLOGIES LTD (VTAR-N)
Inventor: NAGLER M; ROUSSO B
Number of Countries: 108 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200567383	A2	20050728	WO 2005IL48	A	20050113	200554	B

Priority Applications (No Type Date): US 2004535830 P 20040113
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200567383	A2	E	34	G21K-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID

IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI
SK SL SZ TR TZ UG ZM ZW

... **area having distinguishable regions, comprises an imaging unit to obtain radiation intensity data; and an** image **four-dimension** analysis **unit to** analyse **the obtained data**

Abstract (Basic):
... region in the spatial dimensions (a) and at least one other dimension (b); and an **image** four-dimension **analysis** unit (ii) associated with (i) for analyzing the obtained intensity data in (a) and (b...
Technology Focus:
... markers and the multi-dimensional data includes a time component, (ii) being configured to compare **changes** in detected **intensity** over time with the takeup characteristics in order to carry out the mapping. At least...

...one of different tissues, different organs, blood and organ tissue or tissue regions of differential **pathologies** . The radioactive marker is thalium 201 or technetium 99. (i) is configured to ignore image...

20/3,K/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016918181 **Image available**
WPI Acc No: 2005-242470/200525
Related WPI Acc No: 2005-386153; 2005-444150
XRAM Acc No: C05-077454
XRPX Acc No: N05-199719
Pathological **analysis system for quantitatively** analyzing images **created from biological samples, comprises digital** image analysis **module, medical** analysis **module, display module, and recorder module**
Patent Assignee: BIOIMAGENE INC (BIOI-N); GHOLAP A S (GHOL-I); GHOLAP G A (GHOL-I)
Inventor: GHOLAP A S; GHOLAP G A
Number of Countries: 108 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200527015	A2	20050324	WO 2004US29766	A	20040910	200525	B

Priority Applications (No Type Date): US 2003515582 P 20031030; US 2003501412 P 20030910
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200527015	A2	E	35	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL

SZ TR TZ UG ZM ZW

Pathological **analysis system for quantitatively** analyzing images **created from biological samples, comprises digital** image analysis **module, medical** analysis **module, display module, and recorder module**

Abstract (Basic):

... A **pathological analysis** system (10) comprises digital **image analysis** module for automatically **analyzing** digital **images** created from biological tissue samples, medical **analysis** module for automatically quantitatively analyzing the determined area(s) of interest, display module (14), and...

... **Pathological analysis** system comprises digital **image analysis** module for automatically **analyzing** digital **images** created from biological tissue samples where a staining reagent has been applied to determine area(s) of interest, and for automatically **analyzing** digital **images** created from biological tissues samples where an immunohistochemical compound has been applied to determined area...

...generate additional interpretive images, medical data, medical statistics, or medical reports of predictive values or **diagnostic** value; display module to display the digital **images** , additional interpretive images, medical data, medical statistics, or medical reports on graphical user interface (16...

...An INDEPENDENT CLAIM is also included for a method for automatically creating a medical **diagnosis** comprising acquiring digital **images** created from biological tissue samples where a staining agent has been applied; automatically pre-processing the digital images to **adjust contrast** level and color level if necessary; automatically performing a histogram **analysis** on digital **images** using gray and red, green, blue (RGB) luminosity values to locate area(s) of interest...

...The invention is for quantitatively **analyzing images** created from biological samples...

...invention overcomes some of the problems associated with human interpretation and error associated with manually **analyzing images** created from biological samples...

... **Pathological** analysis system (10

Technology Focus:

... Preferred Component: The digital **image analysis** module automatically **analyzes** digital **images** that a staining reagent has been applied to determine area(s) of interest where human...

...automatic chromatic pattern analysis, automatic nuclear pattern analysis, or automatic mitotic activity pattern analysis. The **pathological** analysis system further includes microscope, and digital camera. The staining reagent includes hematoxillin and eosin...

Title Terms: **PAT**HOLOGICAL ;

20/3,K/4 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015977359 **Image available**
WPI Acc No: 2004-135209/200414
XRAM Acc No: C04-053966
XRPX Acc No: N04-107885

Determining invasivity of malignant disorders involves measuring expression of genes such as AXL, FYN, LYN, heparin-binding epidermal growth factor-like growth factor, SGF, SIRP-alpha or Annexin 2

Patent Assignee: MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN (PLAC)
Inventor: CHEBURKIN Y; KNYAZEV P; KNYAZEVA T; ULLRICH A; VAJKOCZY P
Number of Countries: 106 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1382969	A1	20040121	EP 200215944	A	20020717	200414	B
WO 200408147	A2	20040122	WO 2003EP7786	A	20030717	200414	
AU 2003250984	A1	20040202	AU 2003250984	A	20030717	200450	
EP 1530724	A2	20050518	EP 2003763885	A	20030717	200533	
			WO 2003EP7786	A	20030717		
US 20050186571	A1	20050825	WO 2003EP7786	A	20030717	200556	N
			US 2005521410	A	20050118		

Priority Applications (No Type Date): EP 200215944 A 20020717; US 2005521410 A 20050118
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1382969	A1	E	37	G01N-033/574	
	Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR				
WO 200408147	A2	E		G01N-033/574	
	Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW				
	Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW				
AU 2003250984	A1			G01N-033/574	Based on patent WO 200408147
EP 1530724	A2	E		G01N-033/574	Based on patent WO 200408147
	Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR				
US 20050186571	A1			C12Q-001/68	

Extension Abstract:

... undergoing surgery. After surgical resection, the tumors were macrodissected. A section was taken for the **pathologist** 's diagnosis and an adjacent piece was quickly frozen in liquid nitrogen for mRNA extractions...

...an imager cassette with a phosphorimager storage screen and exposed for 2 days. The obtained **images** were then **analyzed** . Software-based pair-wise comparisons of the normalized images were made against the image obtained...

...taken from pooled normal cDNA derived from normal breast RNAs, immortal breast epithelial cell lines. **Changes** in expression levels were calculated using normalized **intensities** and given as ratios. By cDNA array analysis of breast cancer cell lines and primary...

20/3,K/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014967540 **Image available**
WPI Acc No: 2003-028054/200302
Related WPI Acc No: 1998-159221; 2000-375204
XRPX Acc No: N03-021953

Ophthalmic instrument for imaging tear film in eye, observes disruptions in tear film as localized intensity **variations due to** changes **in image magnification which is due to thickness variation in tear film**

Patent Assignee: VISIONRX INC (VISI-N)
Inventor: MALONEY R K; STEWART J L; TRUAX B E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6447119	B1	20020910	US 96695616	A	19960812	200302 B
			US 97910194	A	19970804	
			US 2000498803	A	20000207	

Priority Applications (No Type Date): US 2000498803 A 20000207; US 96695616 A 19960812; US 97910194 A 19970804
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6447119	B1		24	A61B-003/10	CIP of application US 96695616
					CIP of application US 97910194
					CIP of patent US 5873832
					CIP of patent US 6059773

Ophthalmic instrument for imaging tear film in eye, observes disruptions in tear film as localized intensity **variations due to** changes **in image magnification which is due to thickness variation in tear film**

Abstract (Basic):
... a CCD sensor (150), so that the disruptions in tear film are observed as localized **intensity** variations due to **changes** in magnification which is due to thickness variation in tear film.
... film that covers cornea, for fitting contact lenses, and for diagnosis and management of corneal **pathologic** conditions such as keratoconus and other ectasias...

...Uses virtual **image** of keratoscope pattern or other **diagnostic** pattern for evaluation, and prevents shadow of brow or nose, allowing better coverage of cornea...

20/3,K/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013317548
WPI Acc No: 2000-489487/200043
XRPX Acc No: N00-363205

Device for spectral diagnosis and selective phototherapy; has system for contrast amplification, and optical fiber system of diagnostic **laser rigidly connected to optical system of** video **chamber**

Patent Assignee: KANART CO LTD (KANA-R); POLUTOV A G (POLU-I)
Inventor: IVANOV A V; KARMENYAN A V; POLUTOV A G

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
RU 2138306	C1	19990927	RU 97102543	A	19970219	200043	B

Priority Applications (No Type Date): RU 97102543 A 19970219
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RU 2138306	C1			A61N-005/00	

... **spectral diagnosis and selective phototherapy; has system for contrast amplification, and optical fiber system of** diagnostic **laser rigidly connected to optical system of** video **chamber**

Abstract (Basic):
... Each **contrast change** of the initial video image leads to appearance in memory of a processing result having...

...Higher accuracy of determination of shape of **pathologically** changed sections of tissues, accurate outlining of said shape, and phototreatment of **pathological** regions, and prompt control and analysis of therapy results in course of phototreatment with consideration...

20/3,K/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

010744235 **Image available**
WPI Acc No: 1996-241190/199625
XRPX Acc No: N96-201891
Plants automated diagnosis **by colour** image analysis **- by prodn. of graph from stored digital values of tints averaged over entire leaves and over normal and visibly diseased portions**
Patent Assignee: YAZAKI CORP (YAZA)
Inventor: KOBAYASHI K; KONO Y
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2726367	A1	19960503	FR 9512697	A	19951027	199625	B
JP 8116790	A	19960514	JP 94263359	A	19941027	199629	
US 5841883	A	19981124	US 95549207	A	19951027	199903	
JP 3468877	B2	20031117	JP 94263359	A	19941027	200382	

Priority Applications (No Type Date): JP 94263359 A 19941027
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2726367	A1		39	G01N-021/84	
JP 8116790	A		20	A01G-007/00	
US 5841883	A			G06K-009/00	
JP 3468877	B2		17	A01G-007/00	Previous Publ. patent JP 8116790

Plants automated diagnosis **by colour** image analysis -

...Abstract (Basic): disease (15) as well as in healthy areas (17). The averages are stored (19), and **corrections** (21) are applied to produce normalised relative **brightness** values...

...ADVANTAGE - **Pathology** of plant can be assessed easily and in good time to alleviate problems of nutrient...

20/3,K/8 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009658335 **Image available**
WPI Acc No: 1993-351887/199344
XRPX Acc No: N93-271392

Combining grey-tone images obtained from magnetic resonance scanning - produces composite image with semi-natural colour rendering of anatomical, physiological and pathological **features to assist diagnosis**

Patent Assignee: UNIV SOUTH FLORIDA (UYSF-N)
Inventor: BROWN H K
Number of Countries: 020 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9321543	A1	19931028	WO 93US3600	A	19930416	199344	B
US 5332968	A	19940726	US 92871406	A	19920421	199429	
EP 637387	A1	19950208	EP 93910627	A	19930416	199510	
			WO 93US3600	A	19930416		
US 5410250	A	19950425	US 92871406	A	19920421	199522	
			US 93128355	A	19930928		
JP 7505805	W	19950629	JP 93518631	A	19930416	199534	
			WO 93US3600	A	19930416		
EP 637387	A4	19950607	EP 93910627	A		199616	
EP 637387	B1	19971029	EP 93910627	A	19930416	199748	
			WO 93US3600	A	19930416		
DE 69314948	E	19971204	DE 93614948	A	19930416	199803	
			EP 93910627	A	19930416		
			WO 93US3600	A	19930416		
CA 2133988	C	20011106	CA 2133988	A	19930416	200174	
			WO 93US3600	A	19930416		
JP 3549527	B2	20040804	JP 93518631	A	19930416	200451	
			WO 93US3600	A	19930416		

Priority Applications (No Type Date): US 92871406 A 19920421; US 93128355 A 19930928
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9321543	A1	E	58	G01V-003/00	
Designated States (National): CA JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
US 5332968	A		26	G01V-003/00	
EP 637387	A1	E	2	G01V-003/00	Based on patent WO 9321543
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
US 5410250	A		24	G01V-003/00	Div ex application US 92871406
JP 7505805	W		13	A61B-005/055	Based on patent WO 9321543
EP 637387	A4			G01V-003/00	
EP 637387	B1	E	30	G01V-003/00	Based on patent WO 9321543
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
DE 69314948	E			G01V-003/00	Based on patent EP 637387 Based on patent WO 9321543

CA 2133988	C	E	G01R-033/56	Based on patent WO 9321543
JP 3549527	B2	19	A61B-005/055	Previous Publ. patent JP 7505805 Based on patent WO 9321543

... **produces composite image with semi-natural colour rendering of anatomical, physiological and** pathological **features to assist diagnosis**

...Abstract (Basic): USE/ADVANTAGE - For medical **diagnostic** evaluation, using composite **images** of semi-natural colour, obtained by linear combination of individual image **intensities** and assigned hues, without **changing** spatial information by statistical thresholds and modulation...

...Abstract (Equivalent): The method then involves listing potential anatomical, physiological or **pathological** features associated with the analyzed region of interest based on the proportional influence from each...

...USE - For **analysing** a single colour composite **image** produced from a number of multiparameter magnetic resonance images...

...Title Terms: **PATHOLOGICAL** ;

?

```
? show files; ds; save temp; logoff hold
File   9:Business & Industry(R) Jul/1994-2005/Sep 16
         (c) 2005  The Gale Group
File  15:ABI/Inform(R) 1971-2005/Sep 19
         (c) 2005 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2005/Sep 16
         (c) 2005 The Gale Group
File  20:Dialog Global Reporter 1997-2005/Sep 19
         (c) 2005 Dialog
File  47:Gale Group Magazine DB(TM) 1959-2005/Sep 19
         (c) 2005 The Gale group
File  75:TGG Management Contents(R) 86-2005/Sep W2
         (c) 2005 The Gale Group
File  80:TGG Aerospace/Def.Mkts(R) 1982-2005/Sep 16
         (c) 2005 The Gale Group
File  88:Gale Group Business A.R.T.S. 1976-2005/Sep 15
         (c) 2005 The Gale Group
File  98:General Sci Abs/Full-Text 1984-2004/Dec
         (c) 2005 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
         (c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Dec
         (c) 2005 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2005/Sep 19
         (c)2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Sep 16
         (c) 2005 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2005/Sep 16
         (c) 2005 Dialog
File 484:Periodical Abs Plustext 1986-2005/Sep W2
         (c) 2005 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/Dec
         (c) 2005 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2005/Sep 16
         (c) 2005 The Gale Group
File 608:KR/T Bus.News. 1992-2005/Sep 19
         (c)2005 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2005/Sep 18
         (c) 2005 Economist Intelligence Unit
File 613:PR Newswire 1999-2005/Sep 19
         (c) 2005 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Sep 19
         (c) 2005 The Gale Group
File 623:Business Week 1985-2005/Sep 15
         (c) 2005 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2005/Sep 16
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2005/Sep 17
         (c) 2005 San Jose Mercury News
File 635:Business Dateline(R) 1985-2005/Sep 17
         (c) 2005 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2005/Sep 16
         (c) 2005 The Gale Group
File 647:CMP  Computer Fulltext 1988-2005/Aug W4
         (c) 2005 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2005/Sep 16
         (c) 2005 Dialog
File 674:Computer News Fulltext 1989-2005/Sep W2
```

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        (c) 2005 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
        (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc
File 587:Jane`s Defense&Aerospace 2005/Sep W2
        (c) 2005 Jane`s Information Group

Set     Items   Description
S1   13210249   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
             EO OR PHOTOGRAPH??)
S2     204085   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3     169167   S1(7N)(DIAGNO? OR ANALY?)
S4        480   TISSUE(3N)SPECIMEN
S5        611   SPECIMEN(3N)SLIDE?
S6     222898   MICROSCOP?
S7        572   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8     109351   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
             INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
             MODIF?  OR CHANG?)
S9      13899   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
             OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10      2261   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
             NFORTI, I? OR KONFORTI I?)
S11      1442   S2(S)S3
S12         1   S11(S)S4
S13         0   S11(S)S5
S14         0   S11(S)S7
S15       448   S11(S)S6
S16         0   S15(S)S8
S17         4   S11(S)S9
S18         2   RD (unique items)
S19         2   S18 NOT S12
S20         3   S10 AND S2
S21         3   RD (unique items)
S22         3   S21 NOT (S19 OR S12)
```

12/3,K/1 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

04232178 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Spinal angiolipomas: Report of a case and review of the cases published since the discovery of the tumour in 1890
Turgut, M
British Journal of Neurosurgery (BJN), v13 n1, p30-40, p.11
Feb 1999
ISSN: 0268-8697 JOURNAL CODE: BJN
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4935

TEXT:
... was easily dissected from the dura mater and totally removed without difficulty. Bleeding was slight. **Histopathological** study of the surgical **specimen** showed mature adipose **tissue** intersparsed within an irregular network of numerous small thin-walled vascular channels. Most vascular channels had no muscular element. Thus, a **diagnosis** of angiolipoma was confirmed histologically (Fig. 3).

(**Photograph** Omitted)
Captioned as: FIG. 2.
(Photograph Omitted)
Captioned as: FIG. 3.
The postoperative course was...
?

19/3,K/1 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

15341647 SUPPLIER NUMBER: 96269787 (USE FORMAT 7 OR 9 FOR FULL TEXT)
US LABS, Inc. Renews Agreement With ChromaVision to Support Continued Growth of the Access(TM) Remote Pathology Network.
PR Newswire, LATH06409012003
Jan 9, 2003
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 651 LINE COUNT: 00061

TEXT:
...marketing reach of both companies and allows community-based pathologists to offer the features of **image analysis** technology to patients and physicians. Through the Access program, launched in 2001, US LABS and ChromaVision jointly service more than 75 **pathology** customer sites throughout the United States.

19/3,K/2 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00916645 20030109LATH064 (USE FORMAT 7 FOR FULLTEXT)
US LABS, Inc. Renews Agreement w/ ChromaVision to Support
PR Newswire
Thursday, January 9, 2003 11:01 EST
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 618

TEXT:
...cancer diagnostic and prognostic services, announced today that it has renewed its agreement with ChromaVision **Medical Systems** , Inc. (Nasdaq: CVSN)
to **support** the continued growth of ChromaVision's Access(TM) remote **pathology**
program. US LABS is the largest accredited laboratory Center of Excellence servicing the Access remote **pathology** network. By utilizing ChromaVision's
ACIS(R) cellular imaging system, the company is able to enhance laboratory standardization to the network's remote **pathology** customers. The Access program has broadened the marketing reach of both companies and allows community-based **pathologists** to offer the features of **image analysis** technology to patients and physicians. Through the Access program, launched
in 2001, US LABS and ChromaVision jointly service more than 75 **pathology** customer sites throughout the United States.
Judd Jessup, CEO of US LABS, Inc. said, "We...

...brings to our physician
customers and our ability to further partner with the community-based **pathologist** broadens our reach in the market."
Carl Apfelbach, CEO and President of ChromaVision, said, "We...

...Our cooperative efforts
both technically and in sales and marketing have brought the benefits of

22/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

09203912 Supplier Number: 78362273 (USE FORMAT 7 FOR FULLTEXT)
Mycotoxins in feed.
Whitlow, L.W.; **Hagler Jr., W.M.**
Feedstuffs, v73, n29, p88
July 11, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 13152

Whitlow, L.W.; **Hagler Jr., W.M.**
... The hay was fed to goats and rats and resulted in retarded growth and histopathological **changes** in the livers and kidneys. A. ochraceus was implicated as producing OTA associated with abortions...

22/3,K/2 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

04032747 H.W. WILSON RECORD NUMBER: BGSA99032747 (USE FORMAT 7 FOR FULLTEXT)
Disparity in the natural cycles of Borrelia burgdorferi and the agent of human granulocytic ehrlichiosis.
Levin, Michael L
des Vignes, Franka; Fish, Durland
Emerging Infectious Diseases (Emerging Infect Dis) v. 5 no2 (Mar./Apr. 1999) p. 204-8
SPECIAL FEATURES: bibl il ISSN: 1080-6040
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 3280

(USE FORMAT 7 FOR FULLTEXT)
Levin, Michael L

TEXT:
... Wilson DR, MacLeod J. "Tickborne fever": a hitherto undescribed disease of sheep. Journal of Comparative **Pathology** and Therapy 1932;65:301-7.
2. Sumner JW, Nicholson WL, Massung RF. PCR amplification...

22/3,K/3 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

01479028
Disruption of sulphated glycosaminoglycans in intestinal inflammation
Murch, Simon H; MacDonald, Thomas T; Walker-Smith, John A; **Levin, Michael**; et al
Lancet (GLAN), v341 n8847, p711-714, p.4
Mar 20, 1993
ISSN: 0140-6736 JOURNAL CODE: GLAN
DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Abstract
LENGTH: Long (31+ col inches)

... **Levin, Michael**

...DESCRIPTORS: **Pathology**
?

```
? show files; ds; save temp; logoff hold
File 256:TecInfoSource 82-2005/Sep
         (c) 2005 Info.Sources Inc

Set     Items   Description
S1       9591   (IMAGE?? OR PICTURE?? OR JPEG?? OR PHOTO?? OR GIF?? OR VID-
            EO OR PHOTOGRAPH??)
S2         68   PATHOLOG? OR HIS()TOPATHOLOG? OR HISTOPATHOLOG?
S3        429   S1(7N)(DIAGNO? OR ANALY?)
S4          0   TISSUE(3N)SPECIMEN
S5          0   SPECIMEN(3N)SLIDE?
S6        311   MICROSCOP?
S7          1   S6(7N)(ZOOM? OR (SINGLE OR SINGULAR)(3N)MAGNIFICATION)
S8        100   (BACKGROUND OR BRIGHT??? OR  CONTRAST OR BRIGHTNESS OR LUM-
            INOUS? OR LIGHTNESS OR INTENSIT? )(7N)(CORRECT? OR ADJUST? OR
            MODIF?  OR CHANG?)
S9         18   MEDICA?(3N)(DECISION OR SUPPORT)(3N)(SYSTEM? OR UNIT? OR C-
            OMPUTER? OR APPARATUS OR SOFTWARE OR PROGRAM)
S10         0   AU=(LEVIN, M? OR LEVIN M? OR HAGLER, J? OR HAGLER J? OR KO-
            NFORTI, I? OR KONFORTI I?)
S11        29   S(S)S2
S12         3   S11(S)S3
S13         4   S1(S)S9
S14         4   S13 NOT PY>2000
S15        76   S1(S)S8
S16         4   S15(S)S6
S17         4   S16 NOT PY>2000
S18         4   S17 NOT (S14 OR S12)
```

12/3,K/1
DIALOG(R)File 256:TecInfoSource

01146129 DOCUMENT TYPE: Product

PRODUCT NAME: M2A Capsule Plus (146129)

Given Imaging Ltd (735833)
Bldg 7 New Industrial Park PO Box 258
Yoqneam, IS 20692 Israel

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030428

Given (R) Imaging' **s** M2A Capsule Plus, part of the Given Diagnostic System, is a disposable imaging capsule that...

...tracts, it transmits video signals to a receiving unit. Collected information is processed by Given **Diagnostic** System' **s** Reporting and Processing of **Images** and Data (RAPID) software. RAPID lets users review video clips, freeze frames, and save **images** . Employing M2A Capsule, clinicians can **diagnose** small intestine **pathologies** . The product speeds the identification of gastrointestinal obstructions, strictures, and fistulas. M2A Capsule weighs approximately...

12/3,K/2
DIALOG(R)File 256:TecInfoSource

00145984 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Excel (018160); IX50 (165531); analySIS (046183)

TITLE: Automated Evaluation of Microscopic Images Speeds Search for Tumor...
AUTHOR: Stallknecht, Peter Korff, Thomas
SOURCE: Scientific Computing & Instrumentat, v20 n4 p21(3) Mar 2003
ISSN: 0891-9003
HOMEPAGE: http://www.scimag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030730

Microsoft Excel and Olympus' **s** IX50 are highlighted in this discussion of the automated evaluation of microscopic **images** that accelerate the search for tumor disruptors. **analySIS** software permits scientists to determine vascular growth stimulation. Anti- angiogenic tumor therapies are new therapeutic...

...vascular biology (examination of the growth of blood vessels and any vascular change that is **pathological** . The goal is to deprive tumors of the blood they need to grow. The quest...

12/3,K/3
DIALOG(R)File 256:TecInfoSource

00118210 DOCUMENT TYPE: Review

PRODUCT NAMES: Telemedicine (834114)

TITLE: Japan's New Telemedicine Momentum: Imaging Opportunities?
AUTHOR: Robinson, Laura
SOURCE: Advanced Imaging, p15(3) May 1999
ISSN: 1042-0711
HOMEPAGE: http://www.advancedimagingmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 19991030

...the hospital call. Many people have to participate and considerable coordination is required. However, Japan' **s** government may be increasingly eager to fund telemedicine, since its population is aging fast. 15...

...home-based care for older Japanese. Telepathology will also increase, since Japan has only one **pathologist** for every 100,000 people, as compared with the U. **S** ., which has 5.5, and the United Kingdom, which has two. The minimum requirements for **diagnostics** based on transmitted **images** displayed on a CRT monitor in Japan are a 200mm sampling pitch, 10-bit sampling...
?

14/3,K/1
DIALOG(R)File 256:TecInfoSource

02761711 DOCUMENT TYPE: Company

id Quantique SA (761711)
Chemin de la Marbrerie 3
Carouge / Geneva, SW 01227 Switzerland
TELEPHONE: (41) 44 301 83 71
FAX: (41) 22 301 83 79
HOMEPAGE: www.idquantique.com
EMAIL: info.idquantique.com

RECORD TYPE: Directory

CONTACT: Sales Department

STATUS: Active

SALES: NA

REVISION DATE: 00000000

...clients worldwide. id Quantique's random number generator technology is used in third-party security **systems** . The firm's optical instruments **support** **medical** , aerospace, and defense operations. The products are marketed to industrial, commercial, and research organizations. The company is known for its single **photon** detection and short-pulse laser source technology. id Quantique also provides clients with customized development ...

14/3,K/2
DIALOG(R)File 256:TecInfoSource

02759589 DOCUMENT TYPE: Company

DIVISION NAME: Digital Solutions Division

Toshiba America (759589)
15 Amherst St
North Chalmsford, MA 01863 United States
TELEPHONE: (978) 251-0877
FAX: (978) 251-0878
HOMEPAGE: http://www.toshiba.com
EMAIL: info@toshiba.com

RECORD TYPE: Directory

CONTACT: Sales Department

STATUS: Active

SALES: NA

PERSONNEL: De Oliveira, Julio, Sales Mgr; De Oliveira, Julio, Mktg Mgr
REVISION DATE: 00000000

...its time lapse and low light CCTV technologies. Network camera users can access audio and **video** surveillance content from Web browsers. Toshiba Security Products' **systems** also **support** **medical** , machine vision, and broadcast operations.

14/3,K/3
DIALOG(R)File 256:TecInfoSource

00153815 DOCUMENT TYPE: Review

PRODUCT NAMES: Medical Imaging (803065)

TITLE: High-Performance Systems for Multidimensional Medical Imaging
AUTHOR: Goddard, Iain Schirmacher, Hartmut Westeroff, Malte
SOURCE: Advanced Imaging, v19 n8 p10(4) Sep 2004
ISSN: 1042-0711
HOMEPAGE: http://www.advancedimagingmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis

REVISION DATE: 20050500

...continues to change as advances in medical procedures, scanners, and algorithms increasingly require inventive approaches. **Image** data overload is an issue for radiologists and clinicians, based on information from the TRIP...

...digital X-ray). These developments increase the need for included efficiency in interpretation of large **image** datasets, improvement of **image** communications speed, and reduction of medical errors. New algorithms also are useful for improvement of...

...care. The algorithms include iterative and statistical volume reconstruction, deformable registration of multiple datasets, advanced **image** segmentation, deformable tissue modeling, and **computer** aided detection. The optimal 3D/nD **medical** imaging **system** should **support** data and user in an integrated approach. Recommended are a 64-bit architecture, interconnected components...

14/3,K/4
DIALOG(R)File 256:TecInfoSource

00149667 DOCUMENT TYPE: Review

PRODUCT NAMES: CompuRecord (210803)

TITLE: Putting a Clamp on Medical Mishaps: Data warehouses and picture-...
AUTHOR: McGee, Marianne Kolbasuk
SOURCE: Information Week, v959 p30(1) Oct 13, 2003
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20040430

...found that many injuries and complications that occur while patients are hospitalized are preventable. Information **systems** that use electronic **medical** records or **decision - support systems** can help prevent these mistakes. For example, Northern California's Sutter Health is developing a
...
...CareGroup Healthcare System uses Philips Medical Systems' CompuRecord anesthesia-information manager. CareGroup also digitally captures **images** such as X-rays and MRI scans using a General Electric PACS. The U.S...
?

18/3,K/1
DIALOG(R)File 256:TecInfoSource

01787655 DOCUMENT TYPE: Product

PRODUCT NAME: Image-Pro Express 4.5 (787655)

Media Cybernetics LP (366013)
8484 Georgia Ave #200
Silver Spring, MD 20910-5611 United States
TELEPHONE: (301) 495-3305

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030515

Media Cybernetics' **Image** -Pro (R) Express 4.5 is an **image** capture and enhancement system that works with a wide range of digital cameras, **video** cameras, scanners, **microscopes** , and **image** databases. Captured **images** can be analyzed with Media Cybernetics' **Image** -Pro Plus program. The system can capture multiple **images** simultaneously. It includes brightness, contrast, and automatic **image** inversion features. **Image** -Pro Express 4.5 also offers best fit, linear, bell, logarithmic, and exponential equalization tools. The program includes **background** subtraction and **correction** , composite imaging, grid mask, and color channel extraction and merge features. Users can create and display spatial calibration markers and measure live **images** . Measurements also can be exported to statistical and spreadsheet applications. **Image** -Pro Express has annotation, customized reporting, and sequence frame printing features. The program handles TIFF, **JPEG** , BMP, EPS, TGA, AVI, and other file formats.

18/3,K/2
DIALOG(R)File 256:TecInfoSource

01153681 DOCUMENT TYPE: Product

PRODUCT NAME: Image-Pro Discovery 5.0 (153681)

Media Cybernetics LP (366013)
8484 Georgia Ave #200
Silver Spring, MD 20910-5611 United States
TELEPHONE: (301) 495-3305

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040302

Media Cybernetics' **Image** -Pro (R) Discovery 5.0 is an **image** capture and analysis system that supports digital cameras, scanner devices, and many confocal **microscopy** systems. It also includes TWAIN, **Video** - for-Windows

(VFW), and **image** capture card support. **Image** -Pro Discovery 5 offers users **background** subtraction and **correction** , color enhancement, and composite imaging options. The system also includes low-pass, high-pass, flatten...

...other measurement options. The program's scattergrams, histograms, and line profiles support the visualization of **image** data. Newer features include object tracking, alignment correction, **image** -stitching, and **image** -tiling, EDF test strips, calibration wizards, and a dye manager. IP Discovery also generates customized reports. An integrated database streamlines the organization and transfer of **images** . **Image** -Pro Discovery can be extended with 3D reconstruction, fluorescent **image** acquisition, and **image** sharpening plug-in modules. **Image** -Pro Discovery supports TIFF, **JPEG** , TGA, BMP, PICT, GEL, and other graphics file formats.

18/3,K/3
DIALOG(R)File 256:TecInfoSource

01133591 DOCUMENT TYPE: Product

PRODUCT NAME: amiraDECONV (133591)

TGS Inc (318060)
5330 Carroll Canyon Rd #201
San Diego, CA 92121-3758 United States
TELEPHONE: (858) 457-5359

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030228

...amira (R) visualization solution deconvolution extension. amiraDECONV's algorithms improve the quality and resolution of **microscopic images** recorded by 3D wide field and confocal **microscopes** . The system supports non-blind and blind deconvolution methods. It provides users with iterative maximum-likelihood **image** restoration, automatic point spread function (PSF) generation, **intensity** attenuation **correction** , and **background** and flat-field **correction** features. A module also supports PSF extraction from bead measurements. amiraDECONV supports multi-processor systems...

18/3,K/4
DIALOG(R)File 256:TecInfoSource

00149871 DOCUMENT TYPE: Review

PRODUCT NAMES: OpenGL (352985); Adobe Photoshop Elements (036455); Nano-Rule+ (150801)

TITLE: Imaging: From Video Games to Scanning Probe Microscopy
AUTHOR: West, Paul Li, Joni
SOURCE: American Laboratory, v35 n16 p24(5) Aug 2003

ISSN: 0044-7749
HOMEPAGE: http://www.iscpubs.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20040228

...as Silicon Graphics' OpenGL and Pacific Nanotechnology's NanoRule+, which has many of the same **image** editing functions known to users of such software as Adobe Systems' Adobe Photoshop Elements. For viewing and analyzing **images** from atomic force **microscopes** (AFMs), the OpenGL graphics environment, a 2D and 3D graphics application programming interface (API) that...

...adapted. Visualization functions include rendering, texture mapping, and special effects. NanoRule+ is used for AFM **image** display, processing, and analysis. Many of the **image** editing features in NanoRule+ are also provided in Adobe Photoshop Elements and similar products. Display...

...down menus, and AFM data can be shown, for instance, as a 2D top- down **image** of a surface or as a 3D **image** showing surface contours. Light direction can be changed to highlight structures, and filtering functions, which can remove noise from the data, are provided. An **image** histogram shows the number of pixels as a function of the level of **brightness** , and error **correction** functions **change** the displayed **image** . Also discussed are features for data analysis, including step height and profile management and roughness...
?